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ALL NEWS.

HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. X. NO. 1. New York, October 10, 1894. 1.00 A YEAR.

1412



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IN USE BY
Eight Leading Governments.
BEST ANTI-FRICTION METAL FOR
High-speed Engine, Dynamo, Rolling-Mill, Steamship, Railroad, Saw-Mill, Cotton Mill, Paper-Mill, Woolen-Mill and all Machinery Bearings.

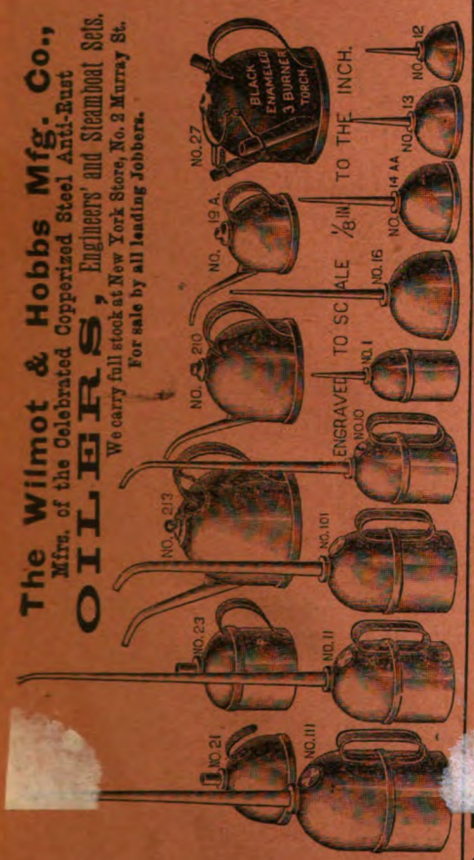
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Office: 75 Queen Victoria St.
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SAMSON & MASSACHUSETTS Brands.
Send for Samples **Samson Cordage Works,** BOSTON MASS.

The Wilmot & Hobbs Mfg. Co.,
Mfrs. of the Celebrated Copperized Steel Anti-Rust
OILERS, Engineers' and Steamboat Sets.
We carry full stock at New York Store, No. 2 Murray St.
For sale by all leading Jobbers.



A GREAT LEADER for you is
WORTHLY'S PATENT "SLOW FEED,"
$1.60, 25-lb. Manger.
10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, - Boston, Mass.

ASK YOUR DEALER FOR
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"TRAP," "SMOKELESS," "WALSRODE,"



"NEW CLUB," "BLACK CLUB," "NITRO CLUB."

THE UNION METALLIC CARTRIDGE CO., - BRIDGEPORT, CONN.

BALL BEARING WASHERS

For Stanley's Steel Butts.
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Detail of Washer. Cross-Section.

Doors hung with Butts having these Washers, work perfectly, never squeak, require no oiling. Prices on application.
TRADE S.W. MARK
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Bit Stock and Wood Boring Brace Drills put up in wooden boxes, 1 dozen each size.

IT WILL PAY YOU TO HANDLE
"STANDARD" TWIST DRILLS
MANUFACTURED BY
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ORANGE EXTRA SPORTING POWDER.

See top page 3.



BRADLEY Steel Shelf Bracket.
SEND FOR PRICES.
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SPECIAL AND LIGHT HARDWARE
Can Openers. Pocket Wrench, Mincing Knives, Clothes Line Pulleys, &c.
Ornamental Metal Pattern Makers.

High Grade Rubber Goods.



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Send for samples and prices before you place your orders.

its strength is uniform and quality always the same.

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It gives perfect satisfaction.
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Seamless Tubes, Sheets, Rods and Wire.

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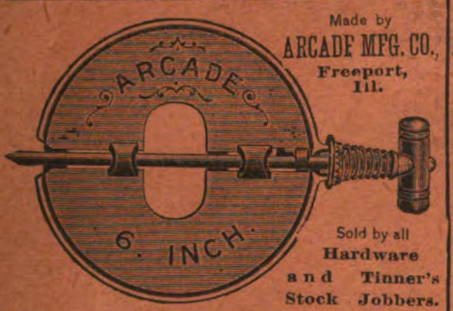
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For Doors,		JAPANNED. Length of Flanges	Single Acting. Nos	Double Acting. Nos.
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6x2	¾ to 1⅛	3½in	63	83
7x2	1 to 1⅜	4 in	64	84
7x2¼	1 to 1½	5 in	65	85
7x2½	1 to 1¾	6 in	66	86
8x2½	1¼ to 1⅞	7 in	67	87
8x3	1½ to 2¼	8 in	68	88
9x3	1¾ to 2½	10 in	69	89

FOR SCREEN, MEDIUM AND HEAVY DOORS.

Single and Double Acting.

THE 3½ AND 4 INCH ARE THE BEST IN THE MARKET FOR SCREEN DOORS.



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PATENT STEEL BARN
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ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.
Ease of Movement. Always in Order.

LANE'S Patent Noiseless Steel Parlor Door Hanger.

Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.
Single Steel Track Instead of Double Wood Rail.
Ask Your Hardware Dealer and Send for Circular.

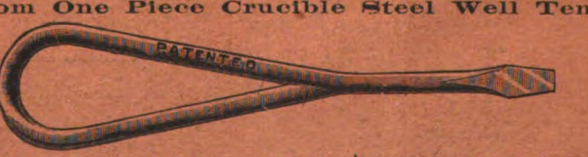


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No. 11, Nickel-Plated 4¼ Inches Long, $1.40 Per Dozen.
Made Expressly for Sewing Machine and Family Use.
For Discounts and other Styles send for Catalogue.
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Invite the attention of the Trade to the Wonderful Little Giant Meat Cutter.

A Machine of great excellence, and of the highest grade.

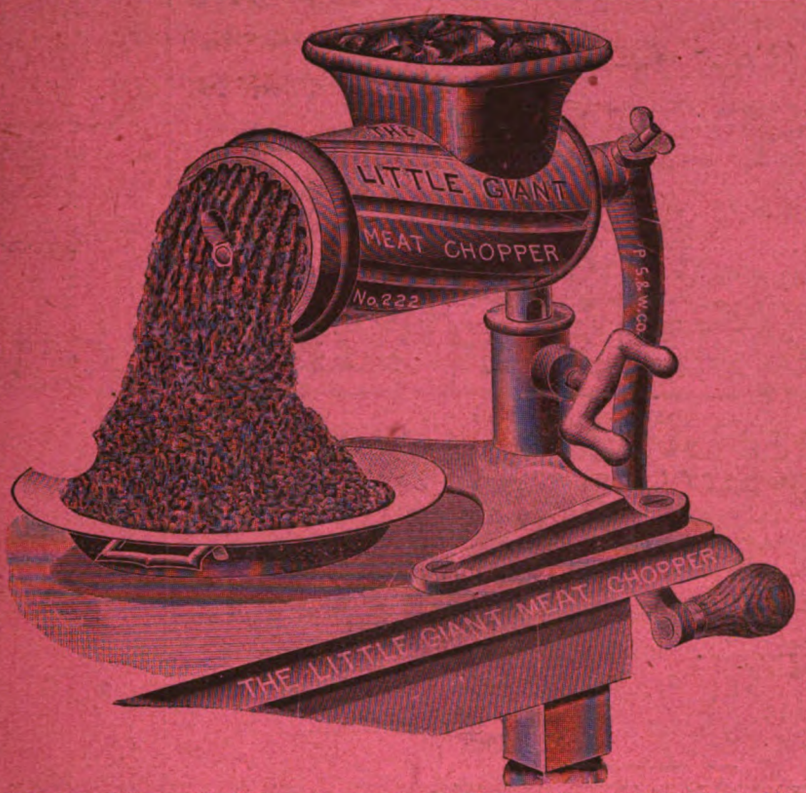
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In 3 Sizes, 5 Styles.



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The House Wife's Friend.

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A PERFECT MACHINE.

Where can you find a more complete statement of its merits or a more satisfactory recommendation of its value than the following:

A well-known and representative firm says: "We have had for sale EVERY KIND OF MEAT CUTTER MADE, and AFTER EXAMINATION OF THE MERITS OF EACH, have come to the conclusion that the LITTLE GIANT IS THE BEST OF ALL."

This season we are putting up with each Machine, WITHOUT EXTRA CHARGE, TWO PERFORATED PLATES for cutting FINE or COARSE. No Cutter better adapted to the Retail Trade than the LITTLE GIANT. All cutters thoroughly tinned. All parts well fitted.

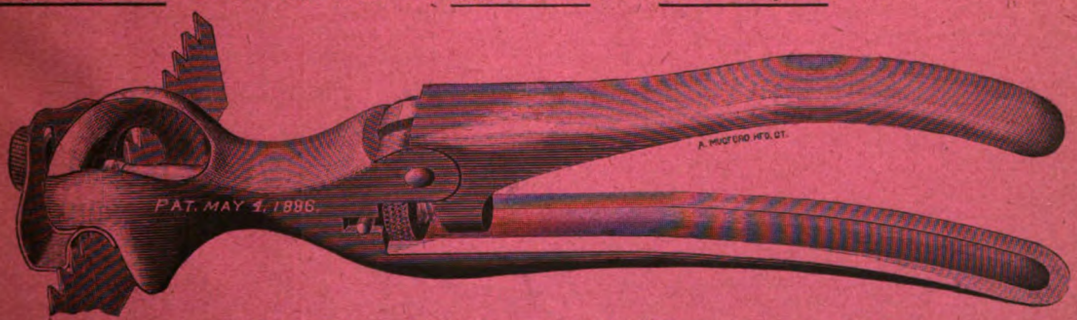
Nos.	305.	With Clamp,	Weighs Complete,	5¼	lbs.	Cuts per Minute,	2	lbs.	Per dozen $35.00
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Discount 50% and an extra allowance to the Wholesale Trade.

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Our New Saw Set, The "Ellrich,"

Is having a large sale, is well liked, and is an excellent tool at a moderate price.



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Note the following line of seasonable goods, all of our manufacture:

BRASS ANDIRONS,
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Very Desirable and Salable Goods.
Quality Guaranteed.

Robinson's Patent Steel Bar Wrench.



Extra heavy bar with independent journal bar Screw and Ferrule doubly locked together. Case-hardened in bone, Fully warranted. All sizes from 6 in. to 21 inches in 3 styles

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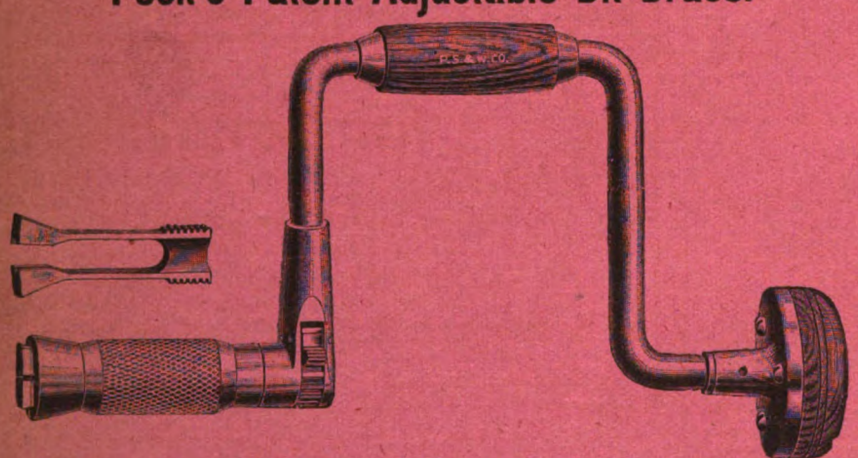
Forged Solid from the best Crucible Steel.
Weights given do not include the handles.



	Nos. 1,	1½	2	3
Weights,	1lb. 4 oz.	1 lb.	13 oz.	7 1-2 oz.
Per doz.,	$8.00	$7.00	$6.00	$5.00

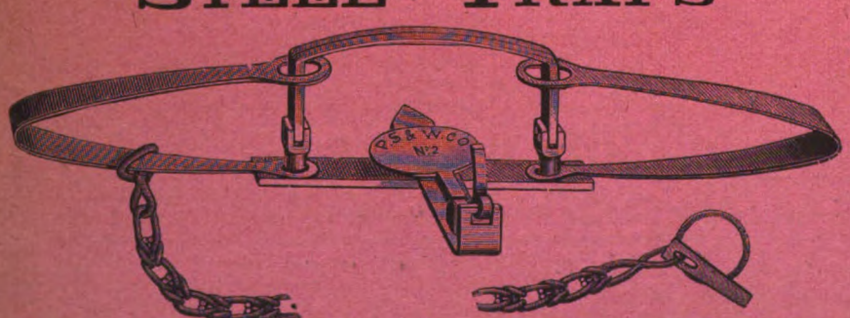
Usual Discount.

Peck's Patent Adjustable Bit Brace.



With Ratchet attachment, Lignum Vitæ heads, rosewood center. Everybody knows this to be the Best Brace made, the only one with a solid jaw, holding bits with round or square shank securely. In 5 sizes, 6, 8, 10, 12, 14 Inches
Put up in fancy boxes of one-half dozen each.

STEEL TRAPS



With Single and Double Spring, all sizes. See that P. S. & W. Co. is stamped on the Trap.

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Only manufacturers of a complete line of Tinsmiths' Tools and Machines. All of their goods are made by the most experienced mechanics, and are fully warranted.

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100,000 workmen in sheet iron and metals throughout the world are our references.

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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed. While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so-called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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Iron & Steel Cut Nails

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A Large Stock Constantly on hand for Immediate Shipment

E. I. DU PONT, DE NEMOURS & CO.,

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GUNPOWDER.

Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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For general shooting, either in muzzle or breech loaders.

"V. G. P." NEW TRAP POWDER. "V. G. P."
A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

Du Pont's Smokeless Powder.
Regular pattern and high velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

MILITARY POWDER AND ***GUN COTTON***
Of a quality to meet requirements of U. S. Army and Navy.

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THE OLDEST AND MOST EXTENSIVE MANUFACTURERS

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Pumps and Hydraulic Machinery

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Highest Award at all the World's Expositions. Works Founded in 1838.

THE SCHULTZE SMOKELESS GUN POWDER CO. LTD.

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BEG TO ANNOUNCE THAT THEY HAVE PLACED ON THE

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Their First Shipment of

HARD GRAIN SMOKELESS SCHULTZE GUN POWDER

Which has been specially regulated in strength and moisture for the American climate

In the manufacture of their Hard Grain powder they have embodied all the advantages that their long experience together with the latest modern improvements in powder making has shown to be the very best.

HARD GRAIN SMOKELESS SCHULTZE POWDER retains all the good qualities which have made Smokeless Schultze Powder famous all over the world, while its hard flinty grain and specially regulated moisture makes loading so easy that any amateur can now do so successfully.

Variations in pressure on wads, or atmospheric conditions do not affect the shooting and loads may be varied as much as with black powder.

Hard Grain Smokeless Schultze is the most modern, the best of all smokeless powders, and excels any other Nitro powder in velocity, penetration, cleanliness, regularity and closeness of pattern.

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Von Lengerke & Detmold, 8 Murray St, New York.

Hardware Dealers Can Profitably Sell Bicycles.

There is a large trade in bicycles in all parts of the country and much of that trade belongs naturally to dealers in Hardware. Good bicycles meet with ready sale and pay a fair percentage of profit.

COLUMBIAS

are the representative high grade machines in America. A Columbia is the easiest machine to sell to the best trade because it is unquestionably the standard wheel of the world. We want enterprising agents of good standing and solicit correspondence.

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Everything, when experience and reputation are behind it. So is it with a guarantee. Its value depends upon the reputation and standing of the guarantor. We guarantee our Rubber Belting in unqualified terms, and our guarantee is backed by experience and reputation. We hold this guarantee before the world. because our belting is made of first-class materials, our machinery is specially designed for the purpose, and our rigid system of inspection prevents goods that are defective, even in the slightest degree, from leaving our factory. "Warranted not to peel, open at seam nor separate between plies, and to be durable and serviceable." What's in a name? This:—

A BELT BY ANY OTHER NAME WON'T WEAR AS WELL.

Cleveland Rubber Works
of the Mechanical Rubber Co.

CLEVELAND, OHIO.

REPAUNO CHEMICAL CO.,

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ATLAS AND JUDSON POWDERS

AND

REPAUNO GELATINE.

A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

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GUNOLEUM

Bicycles,
Revolvers,
Pistols,
Typewriters,



Shotguns,
Rifles,
Gun Locks,
Fine Machinery.

A light coat of GUNOLEUM on any unprotected metallic surface will prevent rust, pits, corrosion or tarnish, and preserve its finish.

Order a trial dozen from your Jobber.

Manufactured by

THE CHARLES WILLEY MFG. CO.,

BAY SHORE, L. I., U. S. A.

RETAIL PRICES:

Metal Collapsible Tubes, 15 and 25c., 1-4 lb. can 35c., 1-2 lb. can 50c., 1 lb. can 75c. and 5 lb. can $3.00.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

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Do you wish to close out for spot cash any large lots of Enameled Ware, Hardware, Cutlery, or anything suitable for House Furnishing, Hardware, or Stove stores---goods which you can sell us at prices so low that they will be PLUMS to dealers who buy from us? We do not care how large the quantity, but we do care about prices. They must be low.

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It is hard to explain on paper how goods at our prices will make your business grow. Let us send you one piece each of different goods with our prices. The samples will amount to about five dollars. After you examine the goods you can make up your order. If you don't want the samples send them back at our expense. Can anything be fairer? When you get our goods and mark them boldly at a fair profit in your window and on your counters, you will see how your trade will increase. Have some "get-up" and "go!" Wake up! Do it now.

STRANSKY & CO., 29 Murray Street, New York.

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CAPEWELL HORSE NAILS.

HIGHEST AWARD

—AT—

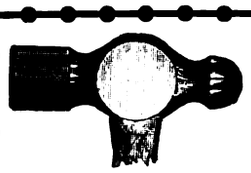
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AND AT

California Mid-Winter International Exposition

The Capewell Horse Nail Co.,

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MACHINISTS' HAMMERS

Drop Forged from Best Tool Steel

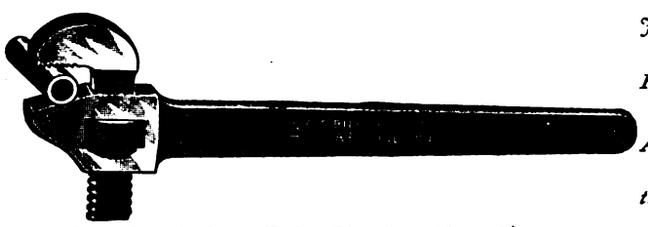
MADE WITH STRAIGHT, CROSS, OR BALL PENE.

In Design, Material, Temper, and Finish they have no equal

The Billings & Spencer Co.
Hartford, Conn.

Drop Forgings of Every Description

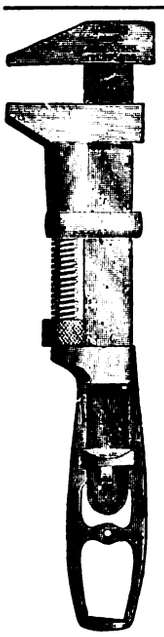
THE BILLINGS PIPE WRENCH



Jaw Drop Forged from best Tool Steel
Few Parts
Best Workmanship
Angle of Jaws the same irrespective of the size of pipe taken

Length 14 inches Takes Pipe from ¼ to 1½ inches

The Billings & Spencer Co., Hartford, Conn.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞Straight Bar, Extra Long Nut for Screw in Jaw.☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

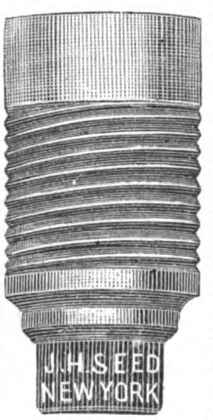
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Fits any size Faucet.
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The Purifier is ingeniously contrived and handsomely nickel-plated. It contains two sieves, the inner or convex, of the finest wire cloth, and the outer, or concave, of perforated metal. An agate sphere between the two prevents collapse. No matter how heavy the water pressure may be, the sieves and the agate ball make the stream coming through the strainer

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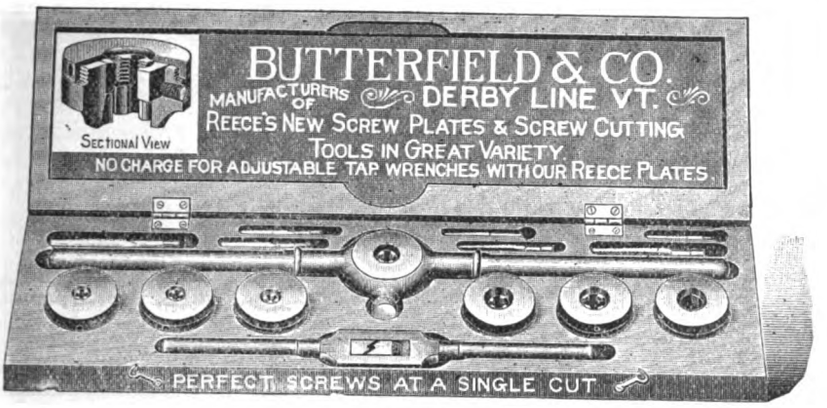
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When You Come Home After Skating apply a light coat of PARAVASELINE to your skates and it will keep them in good condition.

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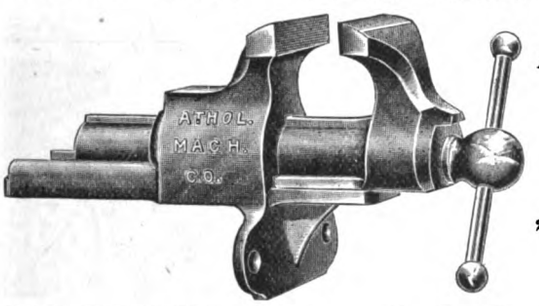
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For either GASOLINE or OIL. These Torches are DURABLE and BRILLIANT, and especially adapted for Foundries, Blacksmiths, Mills, Machine Shops, Fruit Venders, and indeed for all inside and outside use where a brilliant light is required at a small cost.

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You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

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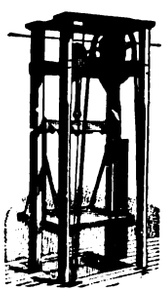
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Made Especially for Hardware Dealers.

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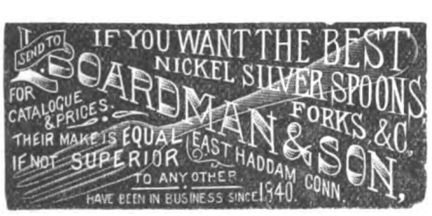
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But without a GOOD WHETSTONE they are an impossibility
That is why it is always economy to buy



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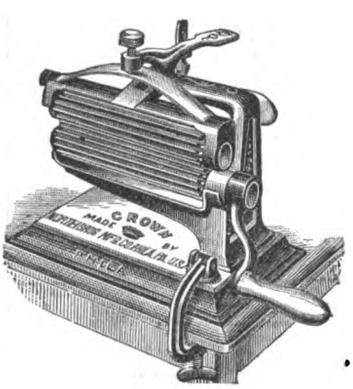
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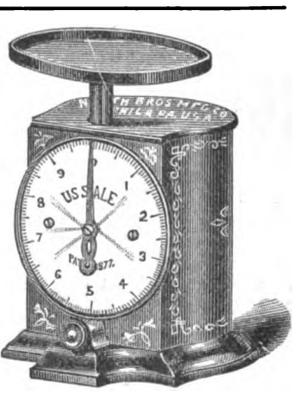
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A Household Scale without loose weights, and arranged to balance pan or dish in weighing. Useful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purchased, etc.

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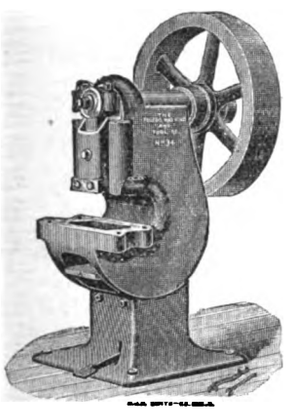
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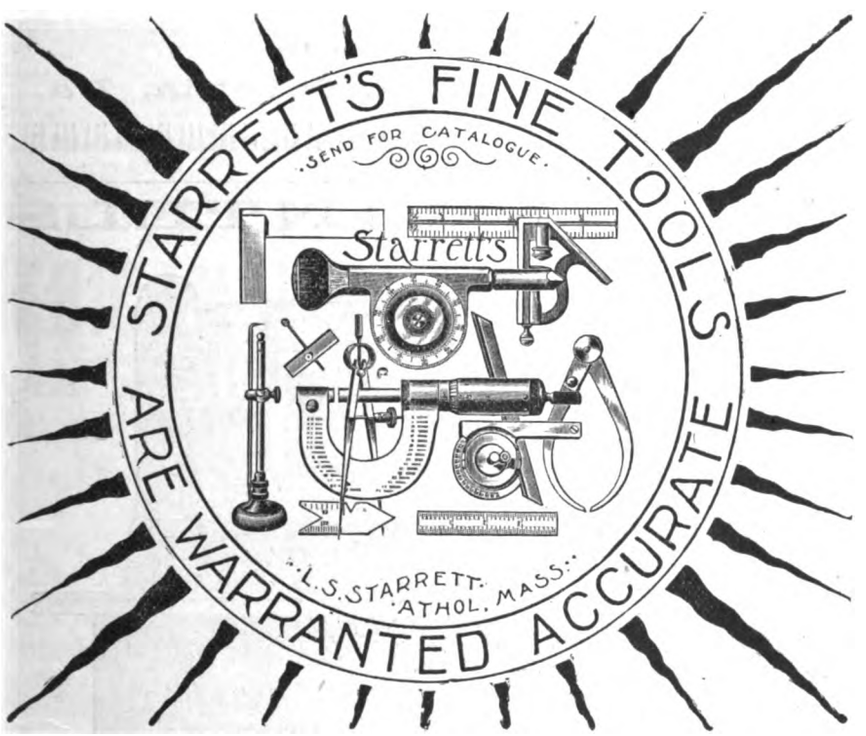
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No Rivets!
Oval Bottom!
Half Oval Back!
Perfect Shape!
Best Quality Steel!
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Heaviest Hod Made!
Six thickness at joint of Body, Bottom and Foot!



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A SLED THAT STEERS

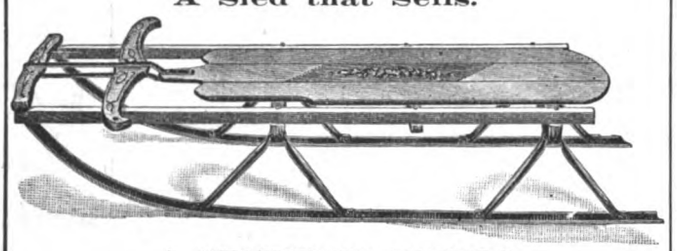
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The Most Profitable Sleds to Sell are STEERING SLEDS.

"Flexible Flyers" are Steering Sleds.

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5 Sizes.
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SAFE,
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PATENTED.

A Sled that Steers
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A "FLEXIBLE FLYER."

Other Flyers.
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GOOD SELLERS.

Or you can obtain them of the leading jobbers if you prefer. It will pay you to be posted on our line before buying your Sled stock.

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Discount large.
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Patentees and Manufacturers,

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Patented September1st, 1891.

BUY THE BEST!

Christmas Comes But Once a Year.



If you want to make your home pleasant and cheerful during the holidays BUY A MERK CHRISTMAS TREE HOLDER, made of iron, neatly finished in gold bronze, a great improvement over any heretofore made. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. If desired the tree can be revolved. Sample tree holders sent by express prepaid upon receipt of **$1.** Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the **ALLENTOWN HARDWARE WORKS,** Allentown, Pa.

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TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it liko rock salt.

WOOD MANTELS.



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JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



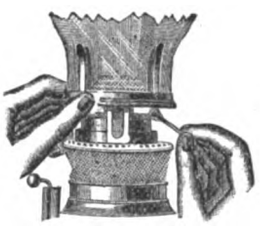
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The



B & H

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—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



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Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

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Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

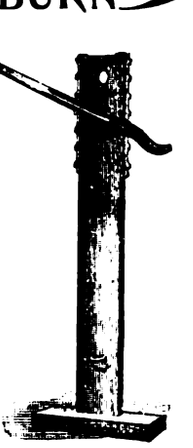
Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

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A *PERFECT*

WAGON JACK.

NEW, LIGHT, DURABLE, POWERFUL.



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—AMMUNITION!—

The result of exhaustive experiments prove it to be the most reliable and accurate cartridge ever produced. It has been generally adopted by all the first-class galleries, and the best known marksmen have voluntarily testified to its superiority.

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"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

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The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

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No. 1098 and No. 1099, AT WORLD'S FAIR.

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It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

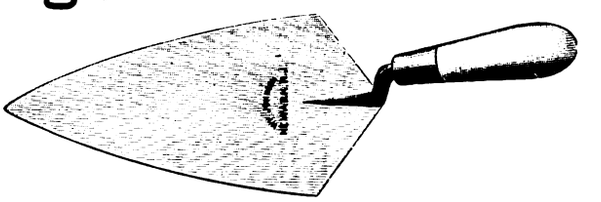
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Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Screwdrivers, Dividers, Conductors' Punches, Revolving and Spring Punches, etc., etc.

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1894 PATTERN, PRICE, $5.00.



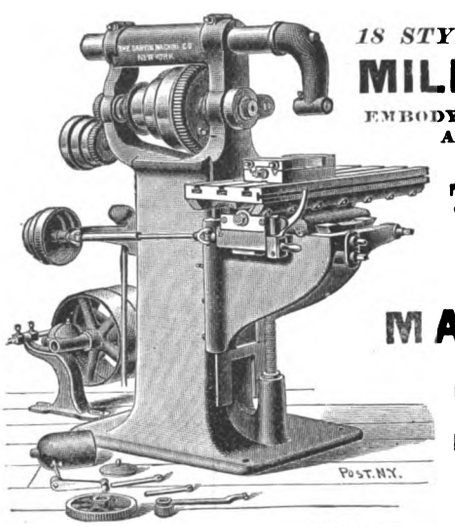
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DURABLE,
HANDSOME
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It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

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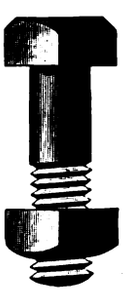
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MILLING MACHINES,
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IMMEDIATE DELIVERY
Can usually be made of any style or size.

MACHINE TOOLS
OF ALL KINDS IN STOCK.

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HOT PRESSED NUTS.

MACHINE BOLTS.



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We make Babbitt and Anti-Friction Metals by standard formulas, and never vary the formula to fit the price. The result is that our Metals are always the same uniform high quality, and we hold our trade.

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Thousands Sold by Hardware Dealers.

THE TIVOLIA Has Stood The Test.

Always Ready for Use.

Manufactured by

A. J. HAMBEL.

Awarded Three Medals at the World's Fair.



Gives satisfaction and largest profits to dealers.

The TIVOLIA detached can be used for beating eggs, mixing bread, mashing potatoes, and inside the jar for whipping cream, mixing fruit juices, freezing ice cream and many other things for which other beaters are too light.

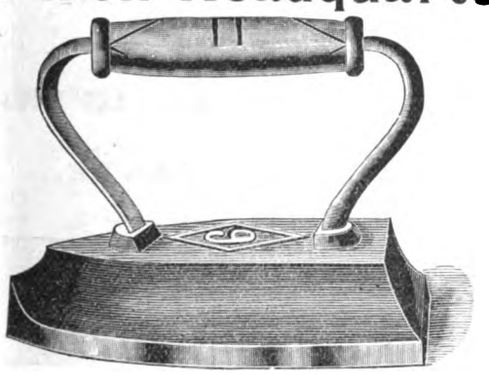
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A. J. HAMBEL, 331 Forty-third St., Chicago.

Sad Iron Headquarters.

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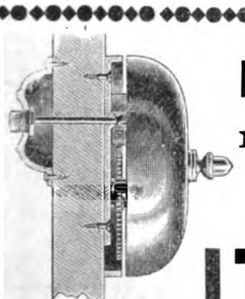


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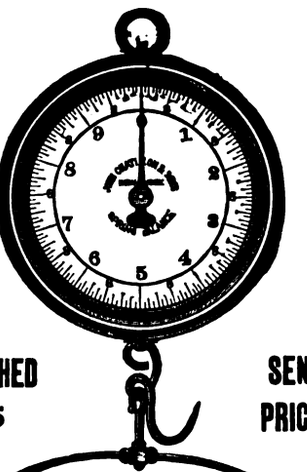
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Produces Electrical Results.
Has No Battery to Get Out of Order
Operates with a Push-Button.
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Has No Clock Spring.
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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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MANUFACTURERS OF

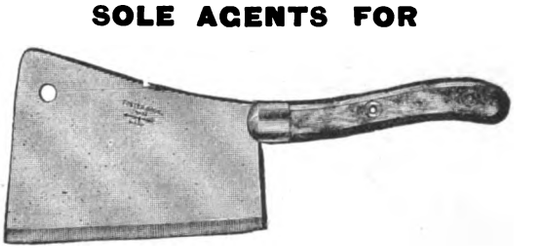
SCALES

—AND—

BUTCHER TOOLS.

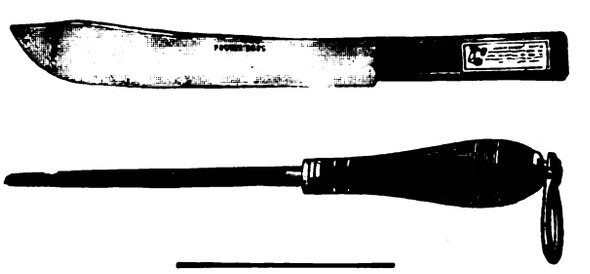


SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



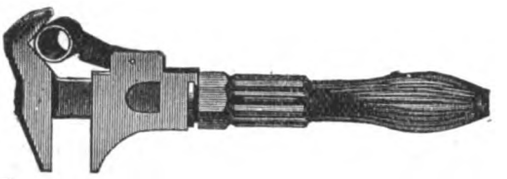
JOHN CHATILLON & SONS

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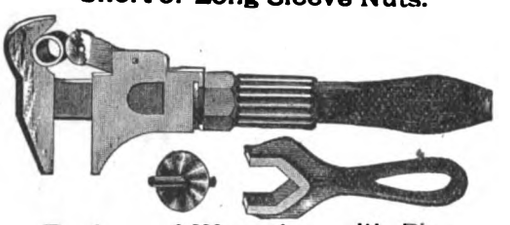
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Champion Screw Drivers (Machinists').

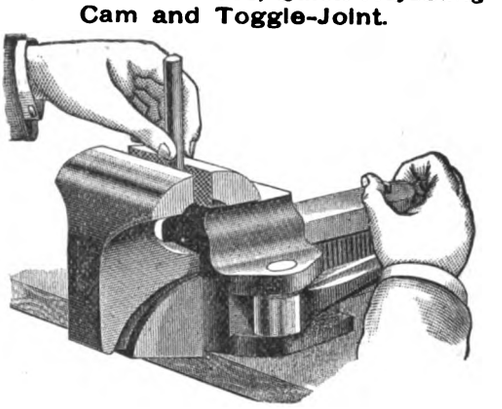


Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

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CHALLENGE PLANES.

EXCELSIOR EXPANSIVE BITS.

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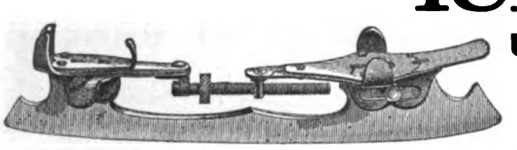
FINE TOOLS, POLICE EQUIPMENTS,

PADLOCKS, ETC.

MANUFACTURED BY **TOWER & LYON,**

95 Chambers & 77 Reade Sts., - NEW YORK.

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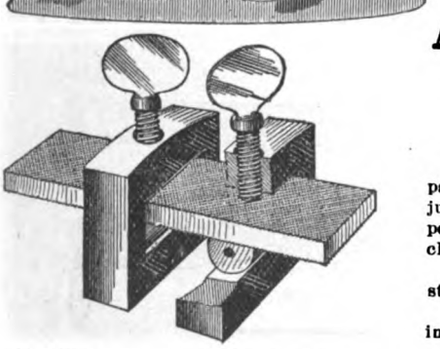
UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

Made in three lengths, 14, 16, 18 inches.





The Union Skate Sharpener

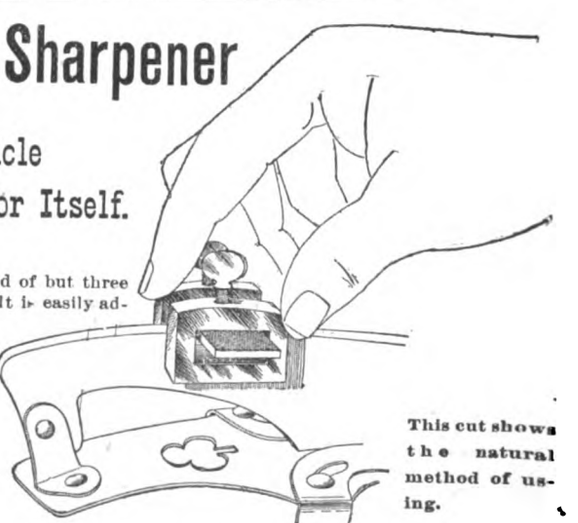
A New and Useful Article

Which Speaks for Itself.

This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

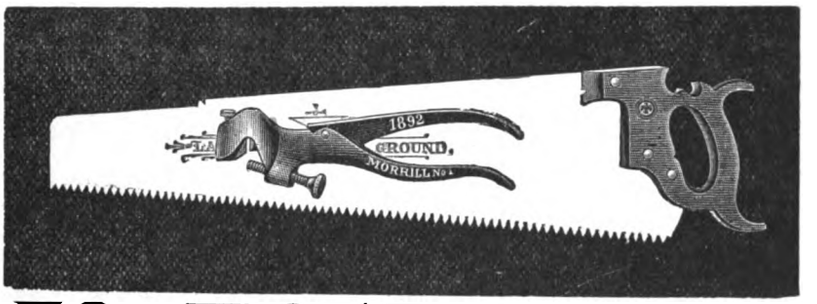
UNION HARDWARE CO.,

NEW YORK OFFICE in charge of TOWER & LYON. TORRINGTON. CONN.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET, NEW YORK.

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CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

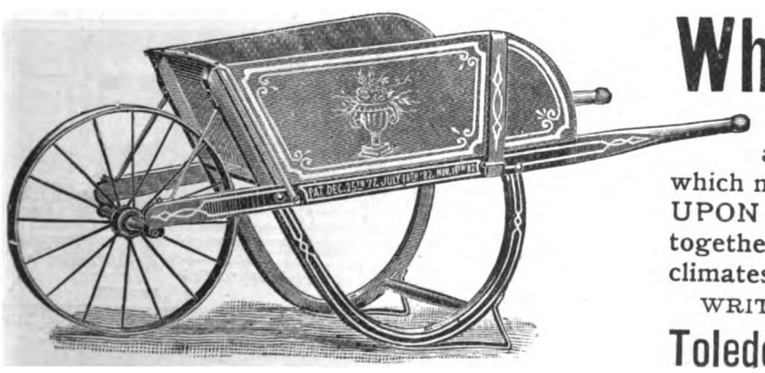
The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.

Write for Catalogue and Prices.



Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

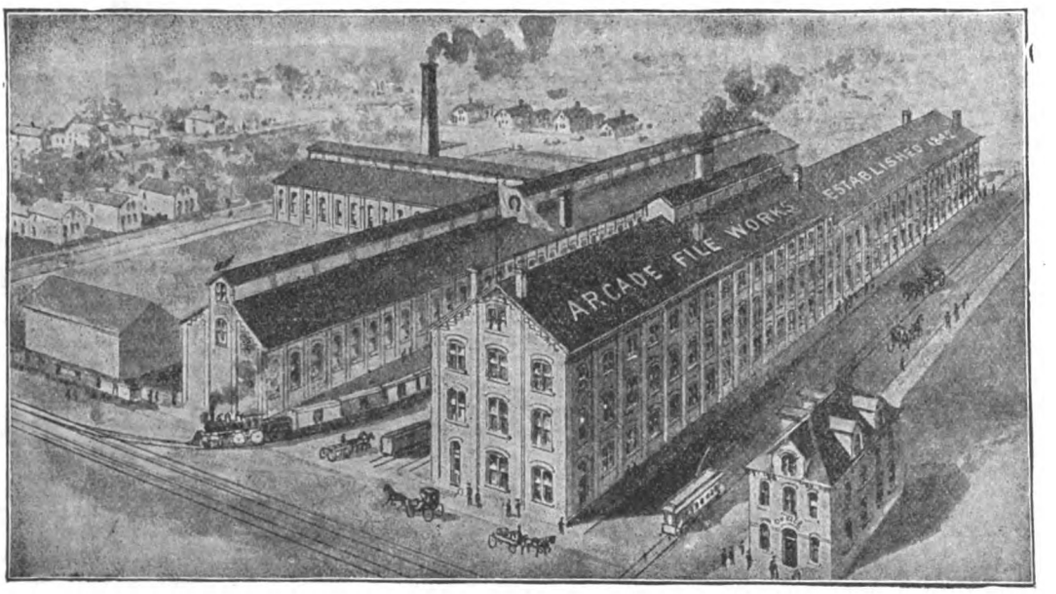
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

STANDARD OF EXCELLENCE.



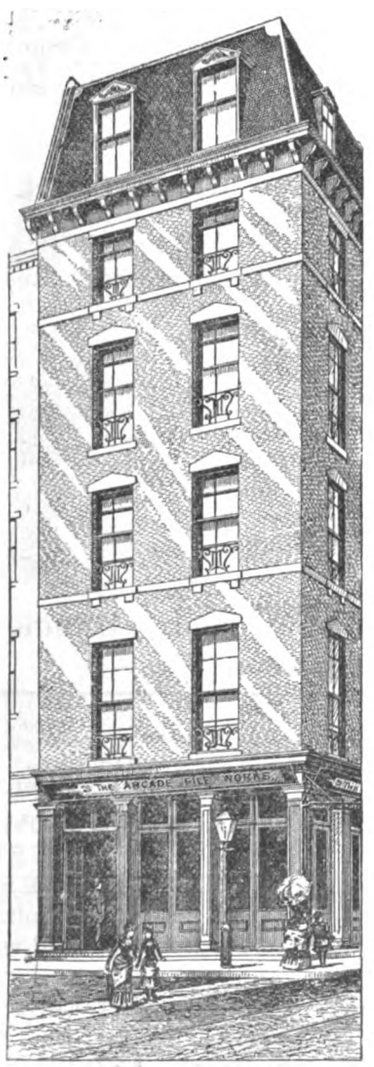
QUALITY UNEQUALED.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market



NEW YORK STORE.

OFFICES AND WAREHOUSES:

23 Lake Street,
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83 Reade Street,
NEW YORK.

For the convenience of the jobbing trade, we have opened offices and warehouses in New York and Chicago, where we carry a large and complete stock, and are thus enabled to supply the trade promptly.



CHICAGO STORE.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.



This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

NEW HAMMERLESS DOUBLE GUN,

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER,

MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. Price Very Low.

IRON AND BRASS **Castings**

NICKEL AND BRASS **Plating.**

Light Machinery & Machine Work.

Specialties wanted to manufacture.
Estimates Furnished.
Correspondence Solicited

C. H. ANGUS, Albany, N. Y.

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

THE · PARKER · GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street. PARKER BROS., MAKERS, Meriden, Conn

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SICKELS, SWEET & LYON,

WHOLESALE HARDWARE,

35 Barclay Street, AND 40 Park Place,

NEW YORK.

SELLING AGENTS FOR

WINSLOW SKATE CO.,

EAGLE FILE CO.,

UNION STEEL SCREW CO.

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At Centennial Exposition AT PHILADELPHIA. **HIGHEST AWARD** At World's Columbian Exposition AT CHICAGO.

At California Midwinter International Exposition.

TO THE

PUTNAM

HOT-FORGED AND HAMMER-POINTED

HORSESHOE NAILS.

REGULAR HEADS for ordinary creased shoes.
CITY HEADS, or short heads for shallow creased shoes.
COUNTER HEADS for "Goodenough" shoes.
FRENCH HEADS for punched shoes, without creases.

These Nails are drawn from head to point from the BEST SWEDISH IRON RODS at a welding heat, thus:  *by percussive hammer blows only; then polished by the water process, without the aid of acids, and hammer-pointed without any rolling or shearing.*

They are the best because they are made of the best iron, and by the only process in which the iron is treated naturally, and its strength preserved.

Those who handle only the best goods hold the confidence of their customers.

Putnam Nail Co., Neponset, Boston, Mass.

ESTABLISHED 1827 E. S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

TIMES' BUILDING, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

We offer no old style stock.

We warrant our goods against

Reasonable Damage.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

EVERY PAIR OF OUR ICE SKATES IS

Put up in a Pasteboard Box.

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HARDWARE

A Review of the American Hardware Market,
Specially Devoted to the Retail Trade.

PUBLISHED ON THE 10th AND 25th OF EACH MONTH

BY THE

HARDWARE PUBLISHING COMPANY.

NEW YORK, (Main Office,) 148 Chambers Street.
CHICAGO, (Western Office,) 60 Wabash Avenue.
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MELBOURNE, (Australasian Office,) McLean Bros. & Rigg.

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Entered at the Post-Office of New York, N. Y., as Second-Class Mail Matter.

VOL. 10 New York, October 10, 1894 No. 1.

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Large houses on Chambers Street say that the volume of business for September was fifty per cent. larger than for the same month one year ago.

The Fixing of Prices.

It is usually a very difficult matter to name the prices at which an article will sell to the greatest advantage. Sometimes the ambition of the manufacturer causes him to overreach himself, and to place a higher value upon his wares than the public are willing to pay.

A good way to fix prices has been illustrated by a Chambers Street manufacturers' agent. Given a line of goods to sell, he adopted his usual manner of pushing the trade, but at the end of the month discovered that he had not been able to make a single bill. This caused him to reflect. Were the goods of inferior quality, or were the prices too high? He reduced prices five per cent., with the result that he attracted the small trade. He then offered them to the larger trade at ten per cent. below the original price, and captured a good amount of orders. At fifteen per cent. below the first price he did a large trade, and that he found to be the stopping point. He was on solid ground, and no stories brought to him by an importuning customer would induce him to reduce prices further.

This practice is in one way or another a common one, but sometimes the test is made so reluctantly that business and profits to a large extent are lost in the hesitation of adopting it.

Business vs. Politics.

A perusal of the daily newspapers would lead the careless observer to the conclusion that the people of America were wildly excited over politics. As a matter of plain business fact, the politicians are working themselves up to the usual condition of autumn frenzy, and are loudly calling upon the people to come out and save the country, while the merchants and manufacturers are going their ways of business in peace, endeavoring to restore affairs to a normal condition after the storm of havoc that has so long raged at Washington. The business men are not in a mind to be stampeded just now. They have still a patient faith in their theories, but, as a general thing, are setting theory aside for work. They are making and selling goods just now, oiling the wheels for new operations, keeping an eye upon collections and expenses, adjusting their affairs to the new conditions, and doing a patriot's service by supplying labor for idle hands. When the time for voting comes they will all be at the polls—as some of the politicians will discover to their personal damage; but have no time now to discuss politics and make the welkin ring with their personal views of things. The politicians may not like this course of the business man, but within it, just now, lies the material salvation of our country.

The lighting of railway cars generated by the revolution of the axle of the cars has not proven the success expected of it. A train running at good speed formed the basis for a most excellent light, but this speed was not uniform, and thus the flow of electricity became uncertain, and the intervention of the storage battery hardly overcame the difficulty. Roads using this system are gradually abandoning it.

In the South the giving of long credits to the Hardware and other trades is passing away. The old custom of giving a six months' note gave way to that of four months, and this has now evolved into the custom of one of thirty or sixty days. The long credits in the South were the result of its raising one crop, and that being marketed slowly, one person had to wait upon another.

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Making Tin-Plate.

AMERICAN MANUFACTURERS UNDERGOING EXPERIENCES.—THREE IMPORTANT POINTS.

The tin-plate industry of this country has been one of continuous battle. Lately it has become more pronounced, because of three factors which have entered the situation.

The first is that a London trade paper has come out boldly and said that if the Welsh manufacturers will unite, cut down wages, and sell their product at a cheap price, the control of the business can be held abroad for a long time to come. It is to be understood that the American market is the principal one of Great Britain, and that its loss has been most serious, and that an effort upon the part of the Welsh manufacturer in the struggle for existence is not wrong in a commercial sense.

The second trouble is in the new tariff law. While this makes pig tin free, and hardly anyone now will admit in view of the absolute failure of our mines to produce this product, that this part of the old law was not a mistake, still the abrogation of this tax amounts to very little. Very little tin enters into the production of tin-plate. The reduction in the duty on tin-plate is most serious. It amounts to about twenty-five per cent., and the prices realized lately have shrunk to that extent.

The third factor, and the most important trouble, then resolves itself into one of labor. The industry is comparatively new, and few laborers skilled in that line could be found in this country when the industry was started. For these men as high as ten dollars per day has been paid, and as a rule five dollars has been the minimum.

The men have formed themselves into an association, and it is admitted that it is in its way, one of the strongest in the country. They, so far, have refused to yield to a reduction in their wages, but are still in council, with an undetermined result. The manufacturers ask them to accept a reduction of twenty-five per cent., and as J. L. Somers, of Brooklyn, said the other day to a HARDWARE reporter, "they will then receive one hundred per cent. more than their fellow laborers in Wales."

Upon this the whole question hinges. Every tin-plate manufactory in the United States has been compelled to close down with the exception of one, and the latter is notable. The mill is owned by a Welshman, who is also the proprietor of several establishments in Wales. This fact has provoked much comment, and has given rise to the opinion that there are some subtile influences at work to crush the industry in this country. Nothing tangible, however, can be traced in this direction; it is a suspicion founded upon intuition.

The manufacture of tin-plate in this country depends largely upon the rolling of what is termed the "black sheet." For fine grades this has to be of a thinness that will bend over upon itself almost like paper. For a long time this could not be done in this country, and the industry was confined to what is called "dipping," something rather insignificant. Now the black sheets are made in this country, and the tin-plate, as Mr. Somers avers, is better, grade by grade, than that made abroad. It does not blister, and in smoothness it is a superior article.

There are two descriptions of plate made; the terne and the tin; the former coating the plate with lead and zinc, and the latter with tin. The terne-plate industry has prospered in this country for many years, but the tin-plate proper seems to be handicapped.

The Welshman gets his ores from Spain, and they can be obtained very cheaply. The American manufacturer gets his from Pittsburg, and while it is a better grade the consumer has hardly learned to discriminate, and fails to appreciate a better quality when a higher price is demanded.

The production of tin-plate now in this country is equal to one-third of the demand, a most gratifying exhibit for the home industry. The manufacturers feel that they can retain this industry here, for there are immutable laws of political economy that are working in their interest.

Still, the situation at the moment depends largely upon the decision of the workmen, for in the present state of prices, it will be found impossible to resume operations and pay the present scale of wages.

"Modern History."

Under the above striking heading, Stransky & Co., No. 29 Murray Street, New York, relate the following entertaining piece of business history:

"Mr. Huxley, our New England salesman, says: 'I called on Brownell the other day. He's got one of those old fashioned fronts—8x10 window panes—dressed same way the last twenty-seven years. Talked my prettiest to sell him some of our goods. At first, no use. He didn't have room inside; didn't have room in the window; didn't think he could stir it up; didn't this and didn't that. 'What's the matter with putting the goods outside right up against your show window and filling your whole window for a week or so?' 'Well,' says Brownell, 'that might go.' He who hesitates has won. I talked some more and finally got him. Two weeks afterwards I met a traveling man from a competing house. He told me that Brownell said: 'Well, Stransky & Co. gave me a big racket. That outside show and those goods in the window went like the dickens.'

"Dealers, if you're asleep we wouldn't care to disturb your gentle slumbers. But if you're awake let us send you just one piece each of our Plums—our business boomers. It's not a big spec. Amounts to about five dollars! From the samples you can re-order. Up to date 57 dealers ordered samples, 2 returned them, 38 re-ordered, 11 ordered twice, 6 have re-ordered three times. Shall we send you samples?

"STRANSKY & CO.,
"No. 29 Murray Street, New York."

Something About Sash Weights.

The old theory that "anything would do for a Sash Weight" is being rapidly changed, and now the enterprising Harewaremen insist upon having them free from lumps and fins, and to weigh as marked. Round weights must be tapered at each end, so that they will pass each other freely in the box. Sash Weights are intended to balance a window, and unless they do so, they are a continual source of annoyance and bad temper. The improvements made in sash pulleys and the advent of chain and ribbon, whereby friction has been reduced to a minimum, has done much to force an improvement in the quality of the Weights. The practice of making these 5 per cent. or 10 per cent. light, is just as dishonest as selling 12 ounces of sugar for a pound—somebody is sure to be cheated; it may be the dealer, it may be the carpenter, and it may be the house owner.

The above sound business sense was furnished a representative of HARDWARE by a member of the firm of E. E. Brown & Co., McKean and Meadow Streets, Philadelphia, whose record in the making of first-class Sash Weights is certainly such as to make them authority upon the question discussed. In continuation, this gentleman says: "In Special Weights and Lead Weights, the manufacturer should exercise great care. We, for instance, find the best results are only obtained by keeping men especially trained in both the moulding and the looking up of this class of work."

Peoli & Willey, No. 97 Chambers Street, New York, are a new firm devoted to cutlery and Hardware specialties, with especial reference to the export trade. D. R. Peoli has been export manager for the Electric Cutlery Co,, while A. H. Willey was salesman, and later in charge of the New York office, of the same well-known company. The new firm represent the Swedish Razor Co., Worcester, Mass.; the R. W. Rogers Co., Niagara Falls, N. Y.; Charles J. Mauss, Staten Island; Benj. F. Badger Strap Co., Boston, Mass., and others.

Will the air-pump supersede the carpet-sweeper? It is said that there is a new device in existence by which compressed air is blown into a room by means of a hose. The air is sent with such force that it is said to search out and penetrate the dust in every crevice of the woodwork, in the openings in furniture, etc.

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FH221

In Old Vermont.

THE IOWA CORRESPONDENT OF "HARDWARE" TAKES A VACATION.

It was hot, dusty and dry in Davenport, and we were dry, dusty and hot.

My doctor, for a consideration, prescribed mountain air, fresh fish and spring water.

Hardware prices insisted upon going down; the mercury persisted in going up; so, with instructions to our buyers to secure a special 2½ on all purchases, to our price man to add a little, to pay traveling expenses, to the collector to urge collections, and to the bookkeeper to be ready at all times to respond to drafts at "no days' sight," we procured tickets to this grand old Green Mountain State.

To reach our destination we took the route through the picturesque Connecticut valley. The White mountain range in full view on our right, the more fascinating Green mountains on our left, the well tilled fields all about, white farm-houses with green shutters, extensive red barns, neat villages, thrifty towns, prosperous manufacturing cities—made a continual changing picture; while driving over the smooth road-bed, an elegant parlor car with spacious chairs and lounges, and pleasant company, all conspired to make the journey delightful indeed.

Your editor requested a letter from New England. We are in New England, but so far we fail to see the newness of this portion of the country, although we are told Vermont is the youngest of the New England States. After the revolutionary war, Vermont, for four years, ran an independent government of its own, then bluffed New Hampshire out of a claim it had on its territory, paid the State of New York thirty thousand dollars for a quit claim deed on itself, and rapped for admission into the United States, becoming the fourteenth State of the Union.

To a westerner everything seemed old instead of new. The buildings are old, the manner, dialect and customs of the people are old; even the granite, the finest in the world, is gray.

A centennial church celebration was held at Peacham a few weeks ago, and the people rejoiced in the fact that one preacher had occupied the pulpit in that church two-fifths of the century. How old some of the sermons must have become in that forty years of constant preaching!

We are glad we are in New England and in Vermont, and wish we could remain until Thanksgiving turkeys and mince pies are ripe. Speaking of pies, do you know we are right in the very centre of the New England pie belt? And Vermont pies are good. In fact, good things are plenty in Vermont in autumn-time. Then the scenery is so beautiful. Were I as familiar with the use of pen or pencil as with buying or selling barb wire and nails, I would like to describe the autumnal scenes of Vermont; the different shades of leaves, some golden, some saffron, then shaded up into pinkish hues, and even into the deep reds and scarlets; set off, here and there, with the rich evergreens; all mingled so delicately, woven and interwoven with such perfect harmony, producing perfect bouquets extending miles and miles through forests and glades, meadows and pastures, from valley to hilltop—grand in extent, charming the senses, a delight to the eye and a rest to the soul.

Would you lure me to the art galleries of Europe? There is as much difference between those and the scenes before me, as there is in the artists.

The Lakeside Cottage Hotel had closed for the season, but on our arrival was reopened expressly for us and for the exclusive use of our party. We have a steam yacht at our disposal, spend the days in fishing, hunting, driving and long tramps among the hills and along the winding roads. The evenings are spent around the blazing open fireplace, recounting the experiences of the day—hunting experiences, game shot that could not be found, large fish caught but not landed, funny episodes, and in playing cards and exchanging inaccuracies.

However, the table is supplied with gray squirrels and partridges by our own Nimrods and fish from our own lines. In short, we are having an old fashioned good time. No one locality has a mortgage on all the good things of earth, but Vermont in autumn possesses more than any one place yet discovered by

J. R. NUTTING.

West Barnet, Vt., September 24, 1894.

The Hardware in the Hotel Majestic.

The Reading Hardware Co., Reading, Pa., and Nos. 96 and 98 Reade Street, New York, furnished all the Locks, Bronze Hardware and special ornaments in solid bronze for the immense new Hotel Majestic, on Seventy-second Street and Central Park West, New York. On all the main entrance doors are 6¼ inch "Vassar" Cylinder Locks, with escutcheon plates and knobs in Italian Renaissance, surrounded by specially made crest with coat of arms. These doors are swung on extra heavy self-lubricating butts. The push plates matching other trimmings measure 4½ x 24 inches, and the kick plates, which are of solid plain bronze, measure 11 x 42 inches. The beautiful metal ornaments that are used to decorate the pillars in the main saloon and dining-rooms, and also those on the wainscoting, were made by the Reading Hardware Co. from special designs. A fine grade of three-tumbler hand-made locks is used throughout all the lower floors; the ornamentation being in Italian Renaissance, finished in gold and silver.

Some idea of the vast quantities of Hardware required for a building like the Majestic may be had by referring to the following approximate figures: There were used about 3000 pairs of door butts; 3000 locks for chamber and communicating doors, with a thorough and complete system of master keying; 1600 solid bronze numbers, and many tons of miscellaneous goods in bronze and iron.

The new sample rooms of the Reading Hardware Co., at No. 96 and 98 Reade Street, which have been recently fitted up in modern style, are worthy of special mention as of the finest in the city, and will well repay a visit. The main floor is 50 x 75 feet, and is divided by partitions of plate glass and quartered oak into convenient departments for the manager, Fred L. Stellwagen, and his assistants. The sample room, 16 x 30 feet, is arranged with all the taste of a modern home. Here are cabinets containing samples of artistic Hardware in every school and design, and in a great variety of finishes, all of which may be examined and selected from in appropriate surroundings, and under conditions the most favorable for making a proper choice.

The Coming Sportsmen's Exposition.

The organization and details of the Sportsmen's Exposition, which will take place in the Madison Square Garden in New York, May 8th to 13th, 1895, are progressing rapidly. At a meeting held at the office of the Winchester Repeating Arms Co., No. 312 Broadway, New York, September 20th, the following sub-committee were appointed to confer with Frank W. Sanger, the manager of the Garden: J. W. Spalding, F. S. Webster, J. C. Von Lengerke and J. A. Dressel. This committee have authority to sign a contract and to fix rentals. This part of the work is progressing rapidly, Mr. Dressel, who is chairman of the special committee as well as treasurer and chairman of the executive committee, having the matter in charge, and carrying the work on in an energetic manner.

Meetings of the different officers and committees are held regularly, and it is expected that all matters will assume definite shape in a few days. Charles Tatham is president of the exposition.

The Cleveland Twist Drill Co., Cleveland, Ohio, report the pleasant and cheering fact that business is steadily improving. They find direct evidence of this in the fact that they are running their full compliment of men ten hours a day, and have been doing so for some time.

Upon the four pages of colored insert in the front and back parts of this issue, the old and prominent house of Peck, Stow & Wilcox have something to say upon various questions of interest to the trade.

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He Visited the Hardware Club.

An English Hardwareman who is making a tour of America, writes to the London *Hardwareman*, as follows, concerning the New York Hardware Club: "Our luggage comprised a lawn mower and samples of sundry Hardware specialties, which we declared to the Customs officer to be of the value not exceeding twenty dollars. For our candor and honesty we had to pay nine dollars duty, the rate being forty-five per cent. upon all such goods—we mean the lawn mower and the Hardware, not the candor and honesty. We then booked our luggage through to the hotel, and made our way thither on foot. Having secured our quarters, we made straight for Reade and Chambers Streets, these being the streets in which are located the offices and showrooms of the leading Hardware manufacturers of the city. Within two hours of our arrival we were installed at the Hardware Club in Broadway, enjoying the hospitality of the Hardwaremen of this great cosmopolis. How hearty their greeting is! how pleased they seem to see us! We feel instinctively that we are among friends, and immediately feel at home. A word about this Hardware Club. Like all other things among our Yankee friends, this is properly done. The Club is located right in the heart of the Hardware fraternity, and in one of the finest buildings on Broadway. It is something like thirteen stories up, rather an advantage than otherwise. Express elevators running all day long land you in a few seconds at the top; and there you are away from the bustle, noise, and dust of the street, with a magnificent view of the Hudson River and the city of New York. The Club itself is fitted up regardless of expense, and in its furniture and upholstery will rank with any of our political West End clubs. There is a restaurant with seating accommodation for one hundred guests, and between the hours of twelve and two o'clock a lively scene it is as the 'men of metal' meet to dine and chat. There are also smoking, reception and committee rooms, and the usual offices; also a reading room furnished with all the trade literature, and a writing room—in fact, here is every convenience and luxury. And, now, Mr. Editor, why, in the world, have we no Hardware Club in the old country? There is room for one in London, and in Birmingham, surely; and, if the trade would only co-operate as they have done in America, we might have a club that would rival theirs."

The Mechanical Rubber Trade.

Rubber men say that the volume of business this year has been comparatively as large as in those just preceding. The equipment of railway trains with the air-brake, which will soon be imperative by national law, is progressing rapidly, and this in itself is a large factor in the rubber trade. A great many manufactories have resumed, which had closed down during the depression, and this has called for mill supplies in large proportions. The season for three-quarter hose is now passing, but the demand for hose continues. The sale of belts for threshing machines in the West has been very fair. There has been a good business done by those who make a specialty of steamship supplies. The pneumatic tire business, as everyone is aware, is good. Some large mechanical concerns have started up recently on old plants. All in all, the mechanical rubber business is in as good shape as any that can be readily mentioned.

Chinamen Buying Guns.

A unique sight at the present time is the number of Chinamen who can be seen in the various gun stores purchasing firearms. In one store on Broadway could have been seen the other day a dozen Mongolians, each carefully examining a rifle, and in their way expressing themselves as to the peculiar merits of the arm in question. As a rule they were solicitous as to the mechanism devoted to breech loading, but once in a while an enthusiast would raise the rifle to his shoulder, and in his imagination think of the result. Dealers say that considerable quantities of small arms, as well as rifles, have been bought ostensibly for the purpose of shipping to friends in China. Generally the assemblage of these Chinamen attracts a crowd of Caucasians on the sidewalk, who look with wondering or philosophical eyes according to the temperament of each individual, upon the curious picture displayed before them.

Hardware Club Notes.

The following gentlemen have been unanimously elected to membership in the New York Hardware Club since our last report:

Geo. A. Gardner, No. 64 Reade Street.
Charles L. R. Clark, No. 298 Broadway.
John J. Walton, No. 164 Chambers Street.
James Clarke, No. 45 Vesey Street.

Among the many recent visitors to the Hardware Club were the following: Major J. L. Foley, Cincinnati; Louis Marx, Havana; J. B. Pound, Chatanooga; F. W. Cameron, Boston; W. K. Ross, Chicago; F. C. Stover, San Francisco; J. E. Jenkes, Pawtucket; A. M. Marshall, Duluth; C. W. Danzinger, Pittsburg; E. H. Linley, St. Louis; Bancroft Ellis, England; Wm. Heyburn, Louisville; E. J. Walter, Baltimore; E D. Simpson, Philadelphia; F. B. Scott, Syracuse; H. E. Dick, Chicago; A. W. Walker, Erie; E. C. Fuller, Chicago; Col. Benj. S. Lovell, Boston; Courtlandt C. Clarke, Chicago; Thomas Hobson, Philadelphia; A. C. Johnston, Kingston, Ont.; W. Stauffer, New Orleans; J. S. Barcus, Toledo; J. L. Jennings, New Haven; George W. Edwards, Detroit.

Charles H. Dudley, a Boston merchant, died in that city some days since at the age of sixty-three. He entered the Hardware store of Proctor & Butler in 1841, and remained as an efficient and principal salesman until the new firm of Butler, Sise & Co. was formed, and the place of business changed to the corner of Batterymarch and Milk Streets, when he became a partner. At the time of the great fire in 1872, they, with a host of others, were burned out, and the affairs of the concern were closed up. Mr. Dudley for many years afterwards was connected with other prominent houses. As a salesman in the Hardware trade he hardly had a superior. He was largely known among the Western business men as authority in all matters pertaining to the Hardware branch of trade, his judgment being often solicited by those who knew him. He had a most pleasing address, and was genial and polite in social and business relations.

The Russell & Erwin Mfg. Co, Nos. 43 and 45 Chambers Street, New York, have placed in the front part of their sample department some handsome sample cases, with flat plate glass tops, cupboards, interior drawers, etc. These cases are not only handsome and artistic, but very convenient in the way of showing goods.

"It was autumn, and incessant
Piped the quails from shocks and sheaves,"

is the quotation that heads the Jos. Dixon Crucible Co. calendar card for October. The quail shown seems to be of the New Jersey variety, while the shock from which he is piping is formed of Dixon's American Graphite Pencils.

C. L. Ovitt, who makes Hardware a part of his general merchandise stock, West Enosburgh, Vt., has been upon a business visit to New York.

Question and Answer.

EDITOR HARDWARE: I am contemplating the purchase of a retail store and business. Should I be expected to pay a bonus? A PURCHASER.
Erie, Pa, October 6, 1894.

That question, in our view of the case, should be answered in the affirmative. The seller has probably worked years to build up a trade, and has probably, especially in the early days thereof, had an anxiety common to all pioneers, and which has its value. Customers who have been slowly educated to come to the store will meet the new proprietor very pleasantly, and half of the battle has been fought in advance and by another. Of course, there may be exceptions to the rule; a high rent, a poor locality, and the like in which a bonus could not be reasonably obtained, but the general inclination is in the way mentioned.

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Six Letters To a Clerk.—IV.

MORAL ANCHORS WHICH YOUNG MEN SHOULD HOLD BY.

Don't turn away from my letter, Tom, because I have headed it like a trade dictionary; I am not intending to write an essay on ship anchors, their uses and value, but I want to write about the moral anchors which every young man should heave out, once in a while, on his course, not to prevent his progress, but to keep him from falling out of the right track.

The boy who stays in the town where he was born and bred and still has his parents' watchful care over him will find it a tolerably easy task to keep on the right course, but when he goes to a strange place, and if that place is a large city, with the temptations and allurements that are found in nearly every city, he will find that it requires no small amount of force of character to keep him on the right track.

Youth is full of desire to see and have a part in all that goes to make up life. While the boy has been at home, he has felt the eyes of friends upon him so closely that he has avoided much that he would like to see. The good things of the world have been brought to him until they have lost their value, while the other side of life has been carefully kept from his sight. When he is away from all control, perhaps unknown to a person in the city except his employers, he determines to see all sides and corners of life. If there are but two or three clerks in the store with him, there is sure to be among them one who can gratify his curiosity by tales of the under side of life, and as he gets acquainted at his boarding-house he soon hears his cronies discussing and dilating upon matters of which he has yet to learn the alphabet. But there will be plenty of opportunities for him to learn the whole book. Scarcely a night but some one will suggest a trip or a walk that will lead him a little nearer to the ground that has been forbidden him, and as his acquaintance extends so do his opportunities for seeing what he calls "life."

If I were writing a sermon or drawing a moral lesson, I might stop here and speak of the hollowness of all such pleasures as this young man is anxious to taste; but I am not attempting a sermon, and am looking at a young man's life only as it may affect his business career. Now I cannot write that a young man who takes a step downward in life is surely lost, because I do not believe it; but I do believe that it is very easy riding when you are going down hill, and the farther down you get the harder it is to stop. And so I come to my anchors.

I advise you to put out, here and there, anchors that will help you to keep on the right course. And the first of these might be to select a church where you will attend, if not regularly, at least with some degree of regularity. I do not say that you must not do anything more than simply go to church once in a while; you can go as often as you please after you have decided where you will attend. Going to this church, you will soon get acquainted with some of the members, and through them with others, and then you will feel at home there, and the people will have an interest in you. And the time may come when you will go there carelessly, just because it is your habit to go there of a Sunday, and you may hear a sermon that will appeal personally to yourself, and your whole life may be changed by it, until your past life will be a shame to you and your future be better and brighter because of your resolutions formed that day.

Or it may be that no such high motive shall ever enter your heart, and you may go on from Sunday to Sunday simply from habit, but the nod of welcome from those you meet is pleasant to you, and the hearty hand-shake from pastor or deacon makes you feel more of a man. And an hour may come when you will be held back from evil just by the thought that you will lose the respect of these good men, and *then* you will feel that this anchor holds you on in your course.

Another anchor will be getting acquainted with good women. It is easily done by a young man whose name is without reproach. Some of your brother clerks have sisters and will be willing to make you acquainted; your employers will be glad to see you calling upon their wives; your church will have sociables and opportunities where you can extend your acquaintance among the ladies, and you should avail yourself of these. In all this I am not advising you to be with the girls; you will do this without advice, but my advice is to make friends of the *women*.

Women who have passed young girlhood appreciate attentions from young men. Girls accept these attentions as a matter of course, and as being homage to which they are justly entitled, but women accept them at their value and feel kindly towards those who offer them. One can sit with a company of girls for a month and know no more about life, as it really is, than if he had sat before a cage of canaries, but a woman's instincts tell her what a young man needs, and he cannot spend an hour with her without learning something that it will be well for him to remember.

Another source of strength to any young man is the love of reading and of good books. This is a taste that can be cultivated, and will be a source of infinite pleasure through all the years of life, whether one is rich or poor, clerk or merchant. The man who reads has a fund of pleasure to draw upon whenever there is danger of time hanging heavily on his hands. He need not yawn about billiard rooms, nor hang around saloons because the hours are so dreary; he can turn to a book and enjoy the company he finds therein. I count the love of reading as one of the accomplishments that ought to be cultivated in every family. Most men set altogether too light a value upon it, and in some households a hundred dollars are expended on a party with less thought than one dollar is used for good reading. If children are not encouraged to read, it is a taste not so readily learned in after life, and one of the surest anchors that parents can give to their sons as they send them out in the world is this one—a love for books.

I am afraid some of our friends, my dear Tom, will read this letter and blame me for not writing on a higher plane, and perhaps they would be right; but I have written for those who need it, those who are liable to be drawn into the temptations of life; others who will not be so tempted are not in need of anchors.

AN OLD MERCHANT.

New York, September, 1894.

He Didn't Want Much.

"On the steamer from New York to Gibralter I had the pleasure of meeting the representative of the Sultan of Morocco, who was on his way home from Chicago, whither he had been sent to select a site at the World's Fair for the Moorish exhibit, and to perfect the necessary arrangements therefor. His name was Hassam Ben Ali. I found him a particularly clever fellow, and by the time the steamer reached Tangier, he gave me a cordial invitation to continue the trip with him to the city of Fez. I regretted that this arrangement was impracticable at the time, but Ben Ali did not give me up without seeing me comfortably fixed at the residence of a merchant and banker—the richest man in Tangier. This man lived in a perfect palace situated upon an elevated plateau overlooking the Mediterranean. On the slope of his estate toward the sea were magnificent groves of orange, lemon and olive trees, and altogether the place was a small paradise. The owner's hospitality was unbounded. His donkeys, his camels, his horses, his wines—all were mine for the five never-to-be-forgotten days I spent with him. I learned, too, quite to my surprise, that he had been to New York and spent some time in this town a few years previously.

"When the time came for me to take my departure I thought I would at least ask if there was not some way in which I could show my gratitude for his gracious treatment—whether there was not something he would like to have me send him from America. I confess I made the suggestion with some trepidation lest he might signify a desire for a Pullman palace car or team of trotters, or some other equally impossible thing. Imagine my surprise, therefore, when he asked if he might have the pleasure of receiving a box of liver pills, and two bottles of cement!"—*H. M. Barron, in the American Grocer.*

On this date, October 10th, Edward Ingalls, southern representative of the Atha Tool Co., Newark, N. J., will be united in marriage to one of Buffalo's fairest daughters. The Hardware boys all over the country will wish the happy couple much joy.

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Illustrated Bicycle Novelties.

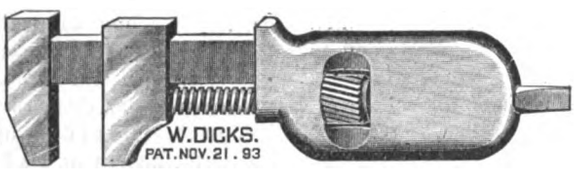
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is go ng on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Dicks' Bicycle Wrench.

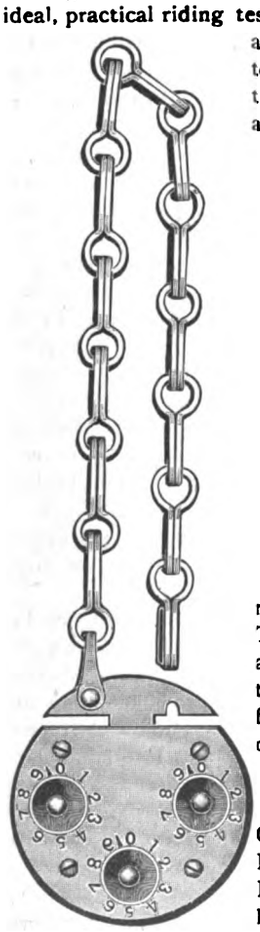
The Dicks' Bicycle Wrench here shown was patented by W. Dicks in November, 1893, and is being placed upon the market by the Spaulding Machine Screw Co., Buffalo, N. Y., sole manu-

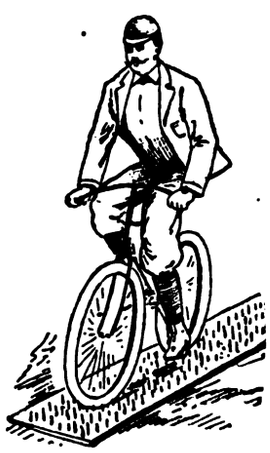


facturers. It has a screwdriver attachment, is drop-forged, and four and seven-eights inches long. The makers describe it as thoroughly first-class, and add that because of its screwdriver attachment, "will at once commend itself to bicycle riders." The screwdriver is covered when the jaws are closed. The illustration conveys a good idea of the solid character of the Wrench. Price per doz., nickeled, $10. Discounts on application.

A Punctureless Armor.

We explain a plan adopted by the Punctureless Tire Armor Co., of Hagerstown, Md., for rendering any inner tube pneumatie tire punctureless in riding over anything. They describe it as follows: "A thin flexible band or armor made of tough, fibrous materials weighing about four ounces each, is inserted between the air tube and ground surface of the tire, which takes the impact of the puncturing or cutting obstruction without any injury to the rubber air tube. The device has been publicly tested before thousands of witnesses, over the points of the sharpest of steel wire nails and four-pointed barbed wire fencing, with all kinds of weight riders in the saddle, giving ideal, practical riding tests, and never had a puncture to the air tube. This plan of building and protecting pneumatic tires makes it practical to use them on the road to wagons and vehicles of any description. The





resiliency of the tire is not affected. The armor is kept in stock to fit 26, 28 and 30 inch wheels, and can be made to fit any size made." They will send fuller information to anyone interested, on application.

Permutation Bicycle Lock.

The Hall Mfg. Co., Wallingford, Conn., are offering a new Permutation Bicycle Lock, which we here illustrate. It is about the size of a silver half dollar, and with the chain, weighs but one ounce. It is described as having 999 possible changes of combination; simple in construction, and impossible to pick. The lock as here shown, is open; to close it, the chain is slipped into the notch and the keeper pushed down.

"Hot Stuff" Chain Lubricant.

Leonard N. Swift, Provincetown, Mass., is placing upon the market the article described under the above name. It is a lubricant especially prepared for bicycle chains, and the maker says "has been thoroughly tested and pronounced A1." He



adds: "It will stop all rattling of chains, make them run easier, better, wear longer and will not collect dust; will not soil the hands when using. Price per stick, 25 cents. Discount to dealers." It is further said to be in use by such riders as E. C. Bald, Ray McDonald, William T. Murphy, J. S. Johnson and others. A patent for the composition has been applied for, and trade mark registered.

Burleigh's Bicycle Watch Carrier.

George R. Burleigh, Tilton, N. H., a practical watchmaker, while making a hundred mile run on his wheel, wearing sweater and knickerbockers, found he had no watch pocket, so he put his watch in the trousers. The constant friction of the watch rubbing up and down wore the skin off his leg, which reminded him of the need of some device to hold a watch, consequently Burleigh's Bicycle Watch Carrier. It is made of the best steel wire, covered with woven linen thread. Made in one style

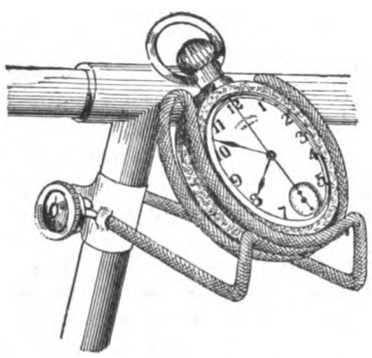


FIG. 1.—BURLEIGH'S BICYCLE WATCH CARRIER.

only, which will hold chronograph, common watch, watch clock and little two inch clock. To time speed, put the chronograph near the handle, so the rider will not be obliged to remove his hand from handle. In this way the rider obtains his own speed without the knowledge of others. "It is best to put a common watch on the head of the wheel or on the frame. The inventor of this carrier is a watchmaker and has tested it over many miles of the Granite State hills and rough woods, and will warrant it not to damage the best of watches, as the watch is held at an angle and gets the spring from the wire that goes from the clamp to wheel, which is four inches long. To put the watch in the carrier, press lower corners with thumb and

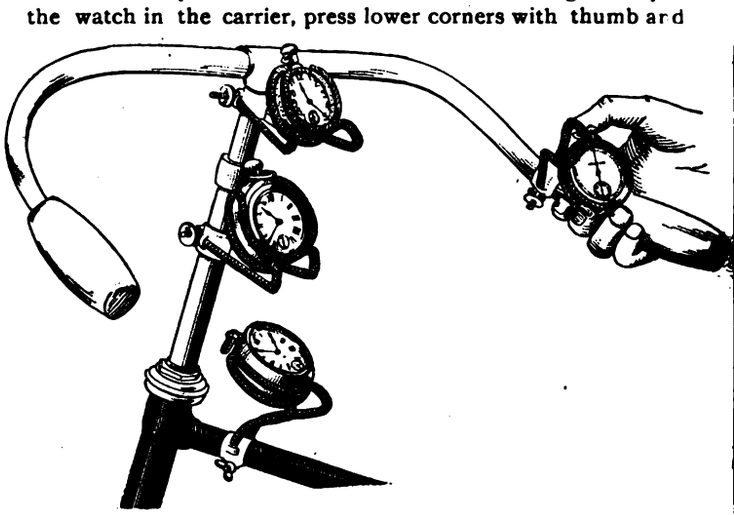


FIG. 2.—CARRIERS FOR WATCH, CLOCK AND CHRONOGRAPH.

forefinger, which opens the space so watch can be inserted. A speed table accompanies each carrier, giving the number of strokes of the pedal in fifteen seconds for any speed from six minutes down to 2:30." The inventor has a steel spring clip that fastens on the dashboard of a buggy or carriage, so ar-

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ranged that it also serves as a rein-holder. This is designed particularly for doctors, stage drivers and those whose business compels them to ride continuously.

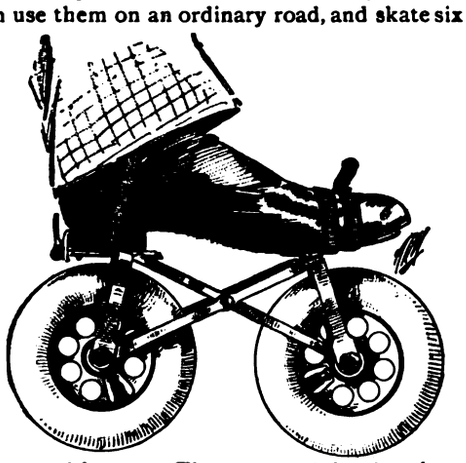
Levy Cycle Clock.

The Levy Cycle Clock Co., No. 1817 Ridge Avenue, Philadelphia, Pa., are placing upon the market the Levy Cycle Clock, which has been improved recently, so that it can be wound and set without removing from the wheel. This has been done by means of a lever ratchet key, which they have patented. In description of the Clock, they say: "Is well made in a nickel case, two inch dial 1⅛ inches thick, weight with Carrier about 4½ ounces, has fine Marine movement with second hand; warranted a good time-keeper. The leather carrier and rubber guard ring save the Clock from all jar. Will run correctly on or off the wheel; price, $2.25, from cycle dealers or direct." In further commendation, we quote the opinion of a practical wheelman, who says: "It is an excellent time-keeper, and it is not only valuable and convenient on the bicycle, but is a most attractive time-piece to use in one's room. The Clock to the scorcher is invaluable, but its uses do not stop here, for the tourist and the occasional rider will find it of the greatest convenience; is well made and accurate, running in any position and under the most severe tests of vibration. The nickel case proper is covered with a neat leather carrier which protects the Clock from actual damage. We have tested this Clock and find it all that is claimed for it by the maker, Simon C. Levy." Mr. Levy would like to hear from any Hardwareman who is interested in bicycle novelties.



The Skacycle.

The Skacyle Mfg. Co., Nos. 3103 and 3105 Ludlow Street, Philadelphia, are placing upon the market under the above name a roller skate with a pneumatic tire. They describe it as a practical pair of skates that can be used upon an ordinary road. They add that this is an American invention, patented some years ago, "but not useful until now, on account of the failure to secure pneumatic tires that would prove serviceable; a man can use them on an ordinary road, and skate six or seven



miles an hour with ease. They are not hard to learn on, and anyone familiar with the use of the roller skate can put them on and with little practice skate on the road at a seven miles an hour gait." The wheels are adjusted on ball-bearing axles.

Bicycles in the Hardware Trade.

INCORPORATIONS, NEW FIRMS, AND WHEELS ADDED BY THOSE ALREADY EXISTING.

Washington, D. C.—W. W. Gordon has opened business at No. 742 Seventh Street, S. E., doing bicycle repairing, handling bicycle sundries, and acting as agent for the Overland Bicycle, manufactured by Rouse, Hazard & Co., Peoria, Ill.

Washington, D. C.—E. S. Keys has opened new repair shop at No. 105 H Street, N. E., and invites correspondence with manufacturers of bicycles and bicycle sundries, looking to accepting agencies.

New Haven, Conn.—The Pope Mannesmann Co. will apply for a charter with a capital stock of $750,000, to have the exclusive right to manufacture seamless bicycle and water tubes in the United States, by what is known as the Mannesmann process. Colonel Pope, of the Pope Mfg. Co., will be one of the incorporators.

Kansas City, Mo.—The Eggnew Bicycle Co, incorporated; capital stock, $12,000.

Charleston, S. C.—The Charleston Electroplating & Bicycle Repair Co., organized, with W. H. Simmons, president, and W. W. Simmons, secretary.

Terre Haute, Ind.—The Standard Wheel Co., whose plant has been idle nearly two years, having accumulated large stocks before they shut down, have announced their intention to resume operations in their several factories by the first of October.

Grand Rapids, Mich.—Rev. C. B. Whittaker and other clergymen are reported to be organizing a company, to manufacture a new kind of safety bicycle, manipulated by levers, and designed to weigh 25 pounds.

Plymouth, Ind.—The Indiana Novelty Mfg. Co., manufacturers of the Plymouth Interlocked Wood Bicycle Rims, have placed agency for Great Britain and the continent with S. Giuterman & Co., London, Eng.

Cortland, N. Y.—The Hitchcock Mfg. Co., wagons and cutters, are preparing to go extensively into the manufacture of bicycles, turning out 10,000 high grade wheels during the next year.

Philadelphia, Pa.—The Pennsylvania Bicycle Co. will open branch store at No. 2315 Spring Garden Street, with A. G. Powell in charge. The Warwick, the League Chainless, and the Royal, Limited, will be handled, together with bicycle sundries.

Denver, Col.—The George Mayer Hardware Co., No. 1714 Lawrence Street, opened a bicycle department, and will handle the Tribune wheel.

Hamburg, Pa.—W. H. Wilhelm & Co. announce their intention to double their output of wheels during the next year. Their new factory building is rapidly approaching completion.

New York, N. Y.—The League Cycle Co. have recently opened branch office at No. 64 Cortlandt Street, with Elliott Burris in charge.

Chicago, Ill.—The New York Tire Co. have recently opened Western office in the Caxton Building.

Cleveland, Ohio.—The Cleveland Bicycle Machine Screw Co. will enlarge their present factory. This concern have recently contracted with the Gormully & Jeffery Mfg. Co. to furnish steel balls for one-third of the latter company's next year's output.

Philadelphia, Pa.—The Americus Cycle Co. succeeds to the business of Joseph Landschurtz, and has removed to No. 1016 Girard Avenue.

Torrington, Conn.—The Excelsior Needle Co., manufacturers of bicycle spokes, have made several recent shipments to foreign countries, particularly to England and France.

New York, N. Y.—The United States Tire Co., incorporated to manufacture pneumatic tires; capital stock, $500,000.

Chicago, Ill.—The Derby Cycle Co., incorporated at Jackson, Mich., with a capital of $50,000, to manufacture bicycles and tricycles, with prison labor.

Philadelphia, Pa.—The Hart Cycle Co. are preparing to remove to larger quarters at No. 816 Arch Street. The company report that the August sales were $700 in excess of the same month last year.

Denver, Col.—W. L. Goyett, formerly with the Stokes Mfg. Co., has opened bicycle repair shop at No. 734 Eleventh Street.

Cowansville, Can.—W. F. Vilas, agricultural implement manufacturer, of East Farnham, Quebec, announces his intention to establish a large foundry and bicycle factory at this place.

Reading, Pa.—Acme Mfg. Co., successors to the Metropolitan Co., will double capacity during the next year. The company manufacture the Stormer bicycle.

Kittery, Me.—The Universal Cycle Co., incorporated; capital stock, $100,000; will manufacture and deal in bicycles, unicycles and other forms of velocipedes.

Boston, Mass.—Cutter, Wood & Stevens, No. 131 Pearl Street, are putting on the market two new polishing and buffing machines for finishing bicycle frames.

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Chinese Jewlery.

The first thing that attracts the attention of the European on landing at Shanghai and Hong Kong, says a correspondent of the *Society of Arts* journal, is the quaintness and quantity of jewelry worn by Chinese women in their hair. It varies from place to place, so that the careful student, after a little experience, can tell where a woman comes from by simply looking at the ornaments on her head. There are first the purely decorative pins, the finest kinds of which are made of gold. Below these are silver ones; and below these, for the poorer classes, are brass ones tipped with either of the precious metals. In addition to metal, ivory, ebony, horn, tortoise shell, bamboo, and celluloid are employed for the same purpose. The head of the pin discloses the wealth of the wearer. The wife of the Viceroy of Foekin has a pin, the head of which is a large ruby. Pins of this sort are worth immense sums. In this class comes a large number of pins, whose heads are emeralds, pearls, jade pieces, gold balls or figures, and silver designs. In another class the pin terminates in a cluster of some sort, and there seems no limit to the designer in this field. The cluster may be seven jade stars, suspended or supported by fine wires, it may be a group of blue cat's eyes, representing a bunch of grapes, a row of pearls swinging from minute chains, a knot of exquisitely colored tiny porcelain flowers and fruits, turquoises carved into violets, a boutonniere of buttercups in filmy gold leaves, etc. In a third class the shank and head are separate, and this keeps the latter in perpetual motion. In addition to the other styles referred to, the heads are made also of flake jade, cut to represent long leaves and similar shapes, porcelain butterflies, gold and silver moths and dragon flies, little birds in metal, vines, etc. The hairpin in the East, unlike that in the West, is generally silver or gold. It is a thin bar, slightly flattened, waved and corrugated, and usually from six to eight inches long. Its owner bends it according to the style in which she dresses her hair. The gold and silver smiths make special alloys for hairpins. Ordinary pins would break after so many bendings and unbendings as the Chinese pins are subjected to, but the latter last a lifetime. A curious instrument possessed by everyone in China above the extremely poor is the tongue scraper. They may or may not have brushes, but they are sure to have a tongue scraper. This scraper is a ribbon of silver or gold with a ring at one end, by which it is suspended when desired. The cheapest are of plain metal; more expensive ones are engraved, while a few are jeweled at either end. Like hairpins, they are sold by weight, plus a small charge for workmanship. Thumb rings are very common in the East. These are often made of precious metal, ivory, jet, and precious stones, but generally they are of fine jade. The cavity is not cylindrical, but swells out at the base and middle. This enables the owner to wear it lower down, and also prevents it slipping. The jade is usually polished, but may be engraved or carved in intaglio or relief. The refined classes use jade exclusively, and as precious a variety as their purses will permit, but some of the lower classes wear imitations, which are made of glass or porcelain, colored with lead or iron oxide.

Firing the Rivets.

This story comes from Hornellsville, N. Y.: One of the most difficult operations in the repairing or rebuilding of locomotives is the removing of old bolts from the frames of engines. These bolts are originally machine fitted to their places, which alone would make their removal difficult, but, as they are always badly rusted, the process is doubly tedious. The method that has always been in use is to force them by upward blows from heavy hammers, but frequently the drill had to be used before the work could be accomplished. Some time ago a workman in the Erie Railway shops at this place conceived the idea that these bolts could be quickly and effectively removed by the use of a projectile fired from a cannon. The master mechanic resolved to test the idea, and a steel mortar-shaped piece of ordnance was made at the shops for the purpose. It has a two inch bore seven inches deep. This is fitted with a steel projectile the same length of the bore, two or three inches of the upper end being drilled down to a diameter of three-quarters of an inch to act as a punch. The first test of this novel tool in locomotive building was made on Saturday. The mortar was loaded and the drill projectile placed beneath a bolt in an engine frame. At the first discharge the bolt, a particularly obstinate one, was driven from its hold. The entire frame was dispossessed of its numerous bolts by the projectile in a much shorter time than a single bolt was ever taken out by the old method. The success of the ordnance tool will mark an important revolution in the work of locomotive repairing.

In the Matter of Signs.

In the arrangement of signs on the door front of a Hardware store, much depends upon the surrounding conditions. Simplicity is, however, a safe policy to follow, and a large sign sweeping the top front of the door is perhaps as good as any. Let it be handsomely painted in gilt, with a dark background. On the window smaller signs can be placed, but they should be of a very general character, for the run of commodities is continually changing, and if one is too specific he is apt to be pointing in the wrong direction as he continues in business. The name of the proprietor can be placed on the door, and this will conclude about all that is necessary in the way of permanent signs. If the store has a handsome front, do not disfigure it by putting up a cheap sign, or white block letters that will soon chip off. Have the signs in durable colors. In short, simplicity, solidity and elegance should be the basis of all permanent signs.

"Evangeline" Hardware.

A New York tourist who spent a few weeks in Nova Scotia recently tells of a practical joker in that region who for years has been having lots of fun with gullible Americans, says the New York *Advertiser*. The joker's name is Edwards, and he was for years a conductor on the Windsor & Annapolis railroad, which runs through Grand Pre and other historic spots in the "Land of Evangeline." Sentimental New England schoolma'ms have found him a mint of information on the local associations of Longfellow's great work, and many are the "relics" which he has presented to them as special marks of esteem. These include real nails from Evangeline's house—enough of them to put together a summer hotel—keys made by Basil, the blacksmith, but bearing a good many indications of the modern Hardware factory, and a host of similar souvenirs, all of which are being religiously treasured by the delighted recipients.

Recent advices from Mexico indicate a general condition of prosperity in that republic. General business is reported to be very fair. The coffee industry is increasing in all portions of the country. The corn crop in the more southern states will be short, but this will be counterbalanced by abundant crops in other portions of the country, and it is not thought that it will be necessary to import any of this cereal. "There promises to be the greatest influx of investments from the United States that has ever been known."

P. H. Robbins, wholesale and retail dealer in Hardware' iron and steel, coal, glass, flour, groceries, salt, paints, oils, varnishes, brushes, belting, fertilizers, agricultural implements, blankets and robes:

CHESTER DEPOT, Vt., September 6, 1894.

HARDWARE Publishing Co.: Enclosed find currency, one dollar, to extend paid subscription to HARDWARE. I have taken the ——— ——— weekly for more than a quarter of a century, *but can't do without* HARDWARE. Yours,

P. H. ROBBINS.

Some of the English as well as the German cutlers are making razors by the drop forge method. In this way a remarkably cheap razor can be produced, but as the quality of the work in so fine a piece of cutlery has to be considered, the remark of Ruskin that there is "no such thing as cheapness" would seem to apply in this instance.

It is reported from Buffalo, N. Y., that the Stark Tool & Machine Co., have gone into the hands of a receiver. Assets are reported to be $105,000 and liabilities $95,833.

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The Old Question of Discounts.

EDITOR HARDWARE: The publication of heavy discounts on some articles in the Hardware line is apparently absurd and in many instances it is actually so. The practice has grown up from one fact, that the contractor in a locality would go to the neighboring retail dealer, and knowing that discounts are given, he insists upon them, and very liberally at that. If the retail dealer has a high list with heavy discounts, his path is apparently a smooth one. There is, however, a growing tendency among manufacturers to name net prices at the outset. It is a more simple mode of trading, saves bookkeeping and clerical hire, and in the long run does away with a feeling that one dealer, in the disparity of discounts, is buying cheaper than another. The giving of such a discount as 90 and 30 per cent. is apparently the abuse of the system.

One objection to the publication of list prices frequently is the expense of a catalogue, the discounts being more simple to obtain from the printer's hands. The English manufacturer, however, often prints lists without expensive cuts, and thus keeps pace with the progress of prices.

The question is many sided; has been debated often; will not be radically changed in the near future; it is only a tendency that can be discerned. ONE OF THE OBSERVERS.

Boston, October 4, 1894.

The "Mary Ann" Furnace.

When Jacob Lesher erected the "Mary Ann" furnace on the headwaters of the Little Lehigh, about 1789, the residents wondered where he would secure his fuel with which to operate the stack. It was not long, however, when the residents realized that they really had a live industry in their midst. Iron was made and it was shipped by team to Philadelphia. Mr. Lesher continued to run the furnace until 1808, when he sold it to his son-in-law, Reuben Trexler, who had charge until 1837, and then transferred it to his son, Horatio. The latter kept the furnace in operation until 1869, when it was abandoned, because of the scarcity of charcoal and the high price of labor. This old landmark is rapidly going to decay. There is still a quantity of cinder which contains a large percentage of iron. Much of the cinder is used on the public highways. It was at this furnace where the first anthracite coal stoves used in Pennsylvania were manufactured by Reuben Trexler. They were called "The Lehigh stoves." The first plates were made in the open sand, about 1820. Subsequently, flasks were introduced. The trade continued until 1857, when the development of foundries resulted in the discontinuance of this branch of industry. The stove had a fine reputation in those days. Wood stoves were also made, and a number are still to be seen at the homes of old farmers in this section of the country.—*Reading (Pa.) Eagle.*

Manufacturers vs. Prison Labor.

A New Jersey manufacturer who was talking with a representative of HARDWARE some days since upon the subject of advertising, compressed the feelings of a great many into a little space when he said: "At present the severe competition from prison labor forces us to curtail our expenses where possible. When this country fosters prison labor at forty cents per day, furnishes the buildings for political contractors, and expects outside manufacturers to pay labor from $2 to $3 per day, furnish our own plant, pay (in shape of taxes) to meet deficiencies when these contractors conspire to swindle the State (see records of such deals) and meet such competition, it it is but natural that we should close our purses when under ordinary circumstances we would not hesitate to keep them open."

Paper Horseshoes.

"When paper horseshoes were first introduced into the cavalry service of the German Army a few years ago, they excited a good deal of interest," said Jacob Minotz, of Berlin. "Several cavalry horses were first shod with the paper shoes and the effect observed. It was found that not only did the lightness and elasticity of the shoe help the horse on the march, making it possible for him to travel faster and farther without fatigue than horses shod with iron, but that the paper shoe had the property of being unaffected by water and other liquids. These new sheets of paper, pressed closely, one above another, are rendered impervious to moisture by the application of oil of turpentine. The sheets are glued together by a sort of a paste composed of turpentine, whiting, gum and linseed oil and then submitted to a powerful hydraulic pressure. Paper horseshoes are also made by grinding up the paper into a mass, combining it with turpentine, sand, gum, litharge and certain other substances, pressing it and afterward drying it. But these shoes are less tough and elastic than those made of thin sheets of paper laid one upon another. These shoes are fastened to the horse's feet either by means of nails or with a kind of glue made of coal tar and caoutchouc."—*St. Louis Globe Democrat.*

We have been permitted, through the courtesy of Mr. Fairbien, of the Charles Parker Co., Meriden, Conn., to examine some advance sheets of the Paddock-Hawley Iron Co.'s (St. Louis, Mo.) new catalogue. This will be issued at a cost of over $10,000, their line of iron, steel, nails, carriage and heavy Hardware being one of the most complete in the country. Their trade covers the entire West, Southwest and South, and extends into Mexico and South America. Their new building is at the corner of Tenth and Spruce Streets, upon a lot 125x160 feet, with railroad track connections in the rear; with seven floors, covering a space over 130,000 square feet, is one of the finest in St. Louis.

Zinc is being extracted in Sweden by a new process, after the electrolytic manner, and it is claimed for it that very poor ores, which have been considered worthless, are made equal to the best. As in copper, it is reasonable to presume that the electrolytic process will do as much for zinc. Pure metallic zinc has not been produced in Sweden for thirty years.

The Wright Shovel Co., Anderson, Ind., have commenced the erection of a factory for the manufacture of heavy shovels. "The company will employ 125 skilled men at the start and announce that 200 will be employed by the close of the year. The deal was closed recently and was a great surprise to many. Not a dollar was paid to the company as a subsidy."

The pneumatic tire people are beginning to make contracts for the next season. So far the outlook is favorable, the amount at this time being fully equal to that of preceding years. The whole bicycle business has been one of prosperity during the past year for the retailer, the only trouble being in the growing competition among manufacturers.

A corn razor is about eight inches long from the end of the blade to the end of the handle. Apparently in nowise does it differ from the razors used in shaving, except that it is smaller than those usually found in barber shops, but to identify them they have the words "corn razor" engraved on the blade.

Traveling men introducing new wares would do well to take pains to explain their use and working to clerks in Hardware stores. These subordinates are more apt to be thrown in contact with the buyer, and a description from as near first hands as practicable, has certainly its advantages.

It is understood that a large factory for the manufacture of smokeless powder will be built near Reading, Pa., of which a prominent army officer will have the management. Another factory is to be built in California.

Paper mills are getting large orders from cartridge manufacturers. This paper has heretofore been principally made in the East, but now Western mills are getting their share of the business.

The Columbia Rubber Works, New York, report a growing demand for the Palmer tire, having placed so far some good sized contracts for next season.

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Hardwood Horse Bucket.

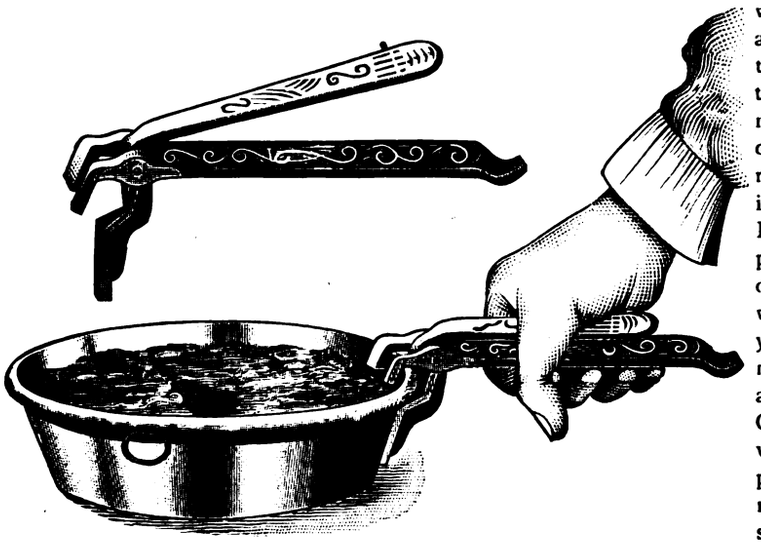
The accompanying cut illustrates the Hardwood Horse Bucket manufactured by the Buckeye Churn Co., Sidney, Ohio.



This bucket is manufactured from ash and oak. The stave is ⅜ of an inch thick, with three ⅞ inch hoops, and a ¼ inch iron bail which is hooked into an iron clip with two rivets, one of which goes through the upper hoop. This bucket has a flush bottom, so that one can stand a horse's feet right in it without danger of breaking the bottom. This is a very desirable bucket for use around stables and for mortar buckets. It holds about 3½ gallons.

Columbia Lifter.

The Columbia Lifter is manufactured by A. C. Williams, maker of sad irons and Hardware and house-furnishing specialties, Ravenna, Ohio. It is intended for the removal from the oven of pans of beans, puddings, roasts, etc., without burning



the hands, or the use of cloths; and it can also be used for a stove lid lifter. "It is novel, light, durable, attractive in appearance, and cheap." Price list: No. 80, finely finished and nickel-plated all over, per pair, 25 cents; No. 85, finely finished and japanned, per pair, 20 cents. Discounts to the trade. Packed 12 pairs in paper box. Shipped in cases of 12 dozen pairs.

Stretcher and Quilting Frame.

The accompanying cut illustrates Steinmann's Silver Hook Lace Curtain Stretcher and Quilting Frame. The advantages claimed by the manufacturer are: "The frame is seven feet



wide by 14 feet long when set up for use, as in the cut. The long pieces are made of two seven feet pieces, and connected with an iron sleeve which can be adjusted by a child in an instant. Folding stretchers put together with hinges are liable to break. By using one section of the long sides it can be used for stretching lace bed-spreads, pillow-shams, tidies, for stitching purposes and for quilting. The frame is held together by square metal corners fitted with a lever clamp, which when set will make the stretcher perfectly rigid. It is adjustable to any length or width in an instant. It is the only stretcher provided with German silver hooks, which are a positive preventive against rust spots. The hooks are removable and also adjustable to match large or small scallops. One set of hooks will last a lifetime. When folded it requires very little space to store it away." The trade will be supplied by Albert J. Eschrich, No. 3608 Gravois Avenue, St. Louis, Mo., who will furnish prices on application.

Two New Washers.

In Fig. 1 is shown Bolgiano's One Minute Dish Washer, manufactured by the Bolgiano Mfg. Co., Baltimore, Md. It "consists of a box, two feet long, one foot wide and one foot deep, with a hinged lid. Inside, near the bottom, is placed a skeleton tray in which to rest the dishes. On the right is a propeller wheel that is operated by the hand, fast or slow, just as desired, and the dishes can sometimes be washed in half a minute. Place the cups in first, then the plates and then the saucers, each in a groove, and fill with hot water up to the centre of the wheel. Close the lid and turn the handle, and if turned rapidly the dishes can be washed in half a minute. Then open the screw cap at the end of the machine and allow the water to drain off, after which, open the lid and let them stand a few moments and the dishes will then be ready to put away in the cupboard. It is plain and simple, nothing to get out of order, and will last many years." In Fig 2 may be seen Bolgiano's new Steam Clothes Washer, which is being placed upon the market by the same company. It is described as working automatically, "saves all the old fashioned scrubbing, as it draws the dirt out of the clothes through a powerful suction. Place it in the bottom of the boiler; put an iron or half brick on top of it to keep it in place; fill with water an inch below

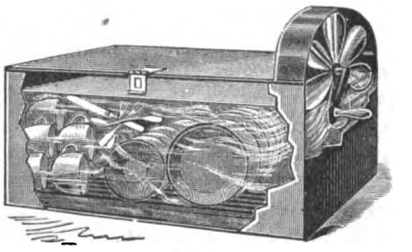


FIG. 1.

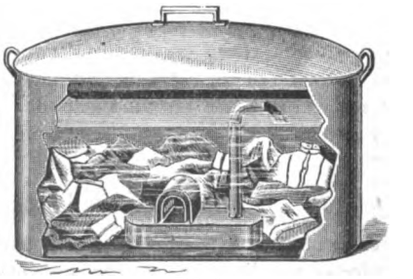


FIG. 2.

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top of the spout, put in the clothes and let them boil for ten minutes after the water comes to a boil. When finished boiling the clothes will be washed."

Remington Hammerless Double-Barrel Shotgun.

The Remington Arms Co., Nos. 313 and 315 Broadway, New York, are placing upon the market the new Remington Hammerless Double-Barrel Shotgun shown in Fig. 1. It has an automatic ejector and non-automatic ejector; a sectional view of automatic ejector model being shown in Fig. 2. It is needless to say that any weapon stamped "Remington" is sure to be first-class in all respects, and sportsmen will find that in this case the reputation of the company has been fully maintained. All grades of this shotgun are made with Damascus barrels, choke-bore, English walnut stock, half pistol grip, rubber butt-plate, checkered fore-end, case hardened frame and mountings, automatic safety, Purdy fore-end snap, triple bolt, top snap, extension rib with bite, flat matted rib. Ejector guns have independent automatic shell ejector. In further description the following figures will be of interest:

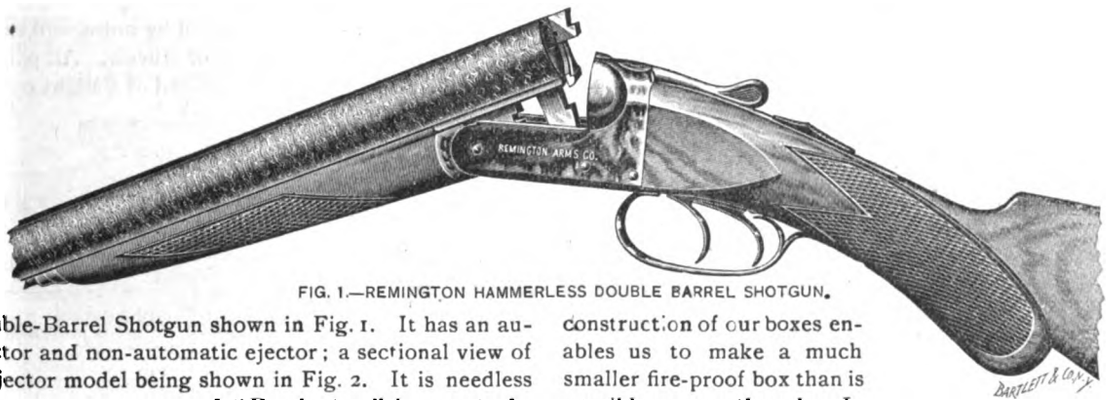


FIG. 1.—REMINGTON HAMMERLESS DOUBLE BARREL SHOTGUN.

12 gauge, 28, 30, 32 inch; 6¾ to 8¾ pounds; Drop, 2¼ to 3⅛ inch.
10 " 30, 32 " 8¼ to 10 " " 2¼ to 3⅛ "

	AUTOMATIC EJECTOR.	Retail Price.
Grade A.E.—	Two-stripe Damascus barrels, plain finish, English walnut stock	$67.50
" B.E.—	Fine three-stripe Damascus barrels, line engraving, fine English walnut stock	82 50
" C.E.—	Finer Damascus barrels, scroll engraving, selected Eng. walnut stock and finer checkering, silver name-plate	112.50
" D.E.—	Very fine Damascus bbls., fine scroll engrav'g, fine English walnut stock and checkering, silver name-plate	172.50
" E.E.—	Finest Damascus bbls., finest quality bird and game engv. best Eng. walnut stock, checkered sides, gold name-plate	247.50

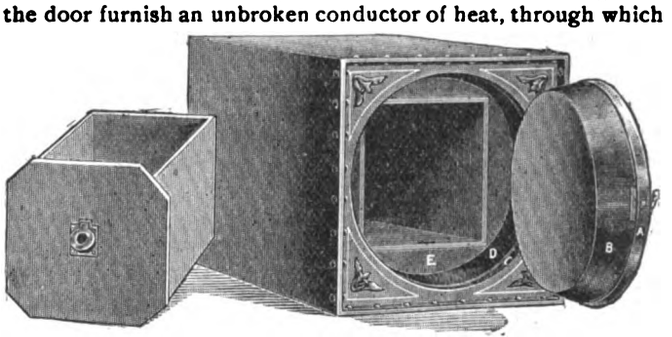
Hollow rib furnished on grades B.E., C.E., D.E., E,E., to order.

	NON-AUTOMATIC EJECTOR.	
Grade A.—	Two-stripe Damascus barrels, plain finish, English walnut stock	$45.00
" B.—	Fine three-stripe Damascus barrels, line engraving, fine English walnut stock	60.00
" C.—	Finer Damascus barrels, scroll engraving, selected English walnut stock and finer checkering, silver name-plate	90.00
" D.—	Very fine Damascus barrels, fine scroll engraving, fine English walnut stock and checkering, silver name-plate	150.00
" E.—	Finest Damascus bbls., finest quality bird and game engvg., best Eng walnut stock, checkered sides, gold name-plate	225.00

In this connection we may say that the Remington Co. are advising the trade that they are now able to execute sample orders for grades "A. E.," "B. E." and "C. E.," and "A.," "B." and "C." in 12 gauge light weight guns, and that they will accept orders for other grades in both 10 and 12 gauge guns, for execution in a few weeks.

Steel Security Box.

The Sidway Mfg. Co., Nos. 32-34 South Jefferson Street, Chicago, are manufacturing a Steel Fire-proof Security Box, an illustration of which is here shown. In describing the same, they say: "Safes, or other receptacles for protecting valuables, documents, jewelry, etc., from destruction by fire, are very seldom found in private residences, on account of their cost, size and weight, being expensive, not easily concealed and very difficult to move, besides many homes are not built strong enough to support so much weight at the place where their location would be the most convenient. These objections we have, after something over a year's experimenting, succeeded in overcoming, and have produced a practicable and absolutely fire-proof box of a convenient size and shape, which can be sold at a moderate price. The entirely new principle used in the construction of our boxes enables us to make a much smaller fire-proof box than is possible on any other plan. In all safes now constructed the door frame is made entirely of metal and connects the outer with the inner shell of the safe, the front, edges and back of the door are also of metal, which form, when the door is closed, a continuous metallic connection between the outside and inside, so that no matter how perfect the insulation may be at all other points, the door frame and edges of the door furnish an unbroken conductor of heat, through which it is carried from the outside to the extreme inside of the safe. Its value, therefore, as a protection from fire must be determined not by the thickness of the walls or amount of non-conducting material used, but by the length of time that will be required for the heat to travel from the outside to the inside along the edges of the door and frame. In the construction of our boxes the metal edge of the door and frame extend in only a short distance, and the intervening space between the edges and inner box being filled with fireproofing, there is nothing through which the heat can pass from the outside tothe inside of the box, as shown in illustration. They are thoroughly well made, of high grade, cold rolled and pickled steel, and by a combination of the best non-heating conducting substances, with a method of construction by which there is no metallic connection between the outer steel frame and the inner case we have produced a repository for documents and other valuable articles which may be relied upon to resist the action of fire. These boxes are handsomely japanned and striped, have nickel trimmings, and are provided with either a four tumbler



A, METAL DOOR FRAME —B, FIREPROOF BACK.—C, METAL DOOR JAMB. D, INNER FIREPROOF RIM —E, FIREPROOFING AROUND INNER CASE.

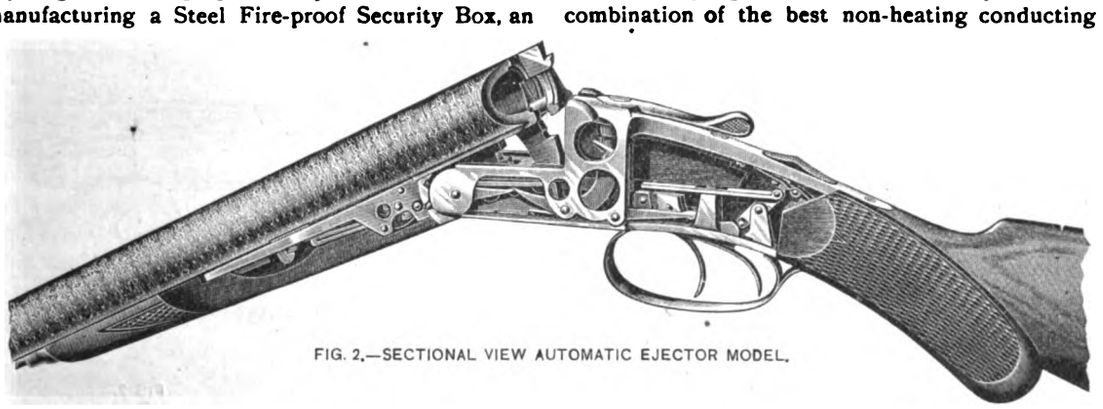


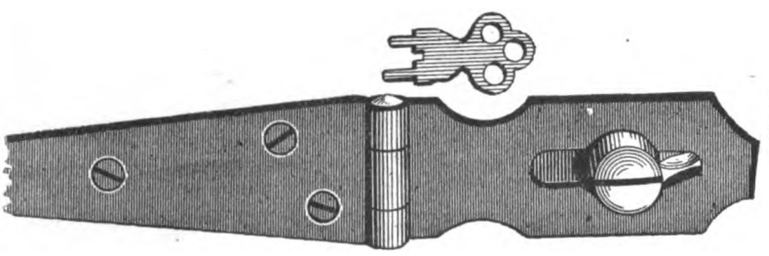
FIG. 2.—SECTIONAL VIEW AUTOMATIC EJECTOR MODEL.

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lock with two small flat keys, or combination lock, as preferred. Most people prefer keys, because of their liability to forget the combination." The dimensions are as follows: No. 2, Outside: Length, 17¼ inches; width, 11 inches; height, 11 inches. Inside: Length, 10¾ inches; width, 5½ inches; height, 6 inches. Weight, 55 pounds. Price with key lock, $15. Price with combination lock, $17.

Eureka Hasp and Lock.

This Hasp and Lock is manufactured by the C. C. Leader Mfg. Co., Shamokin, Pa. In speaking of it, they say that it



" is a combination of hasp and lock; is very simple in its construction, and not liable to get out of order. It does away with the use of padlock and staple entirely. While it can be used wherever a padlock can be, yet there are many uses for it where a padlock would be unsightly to the eye, and cumbersome. Unlike a padlock, it cannot be mislaid or carried off. It is neat in appearance and durable. For barns, stables, cellar doors, tool chests, butter and egg cases, closet doors, refrigerators, etc., it is decidedly the thing. The Lock is made of brass and is finished both nickel-plated and japanned." Price list to the trade: Japanned, 3 inch, $4.50; 4½ inch, $4.60; 6 inch, $4.75; 8 inch, $4.90; 10 inch, $5.10. Nickel-plated, 3 inch, $7; 4½ inch, $7.10; 6 inch, $7.25; 8 inch, $7.45; 10 inch, $7.60. Discount.

"Perfect" Roller Chafe Iron.

The Bellamy Co., No. 243 Pearl Street, New York, are placing upon the market the "Perfect" Roller Chafe Iron here shown; in Fig. 1 the article itself, and in Fig. 2 the sectional parts thereof. The feature of construction to which especial attention is called is in the cone-shaped roller working on a cone-shaped bearing held in place by a spiral spring, so as to admit of all wear being taken up automatically, which effectually prevents rattling. "The bolt which holds the roller in

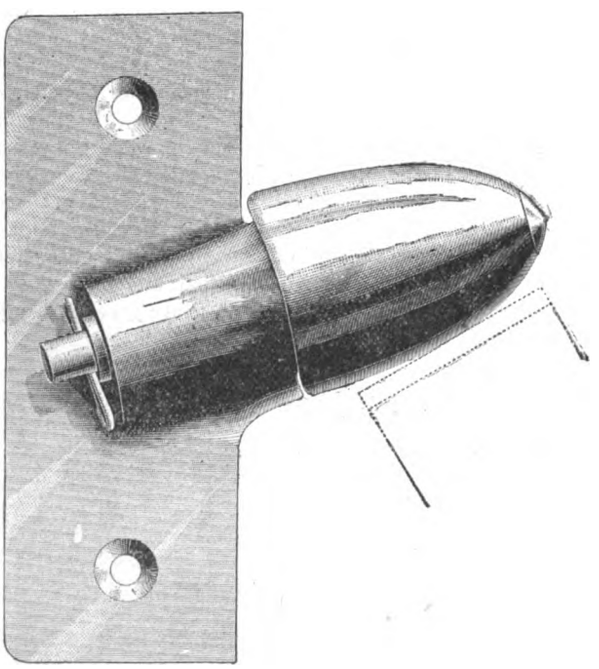


FIG. 1.

position is secured at the lower end by a spring key (Fig. 1.) The cone is babbits lined (Fig. 2) and is supplied with lubricant through a hole connecting with the lubricant chamber which surrounds the bolt, indicated in the sectional cut by the darker shading. The chamber is filled at the factory with paste lubricant of such consistency as to constantly supply the necessary amount of lubrication. The position in which the tire of the wheel comes in contact with the roller is shown by dotted lines Fig. 1, thus preventing the tire being worn round on the edges." The makers add that "the pressure is always on the centre of the tire, causing the roller to revolve; the pressure is direct through the spoke to the hub; there can be no damage to the paint or the wheels by scratching or straining; the working of the roller is unaccompanied by noise, and the use of the device results in a great saving of wheels. All parts are interchangeable, and they can be replaced at a slight cost. The chafe iron

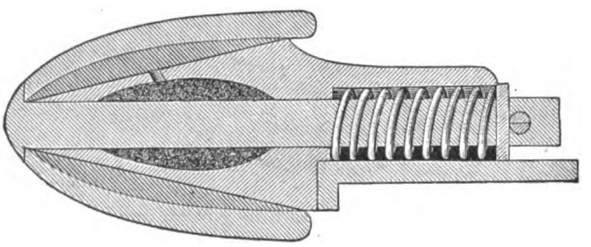


FIG. 2.

is made in two sizes—No. 1 for buggies and No. 2 for surreys and light business wagons."

A Trick Knife.

The Trick Knife here shown is offered to the trade by C. J. Healy, No. 121 Chambers Street, New York. In Fig. 1 may be seen the knife when held for opening; in Fig. 2 when closing. It has one blade, a genuine strong handle, and is brass lined. The trick consists in the method of operating and closing. A hole

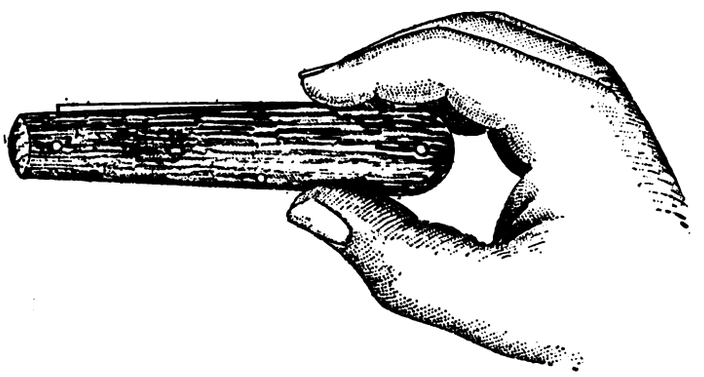


FIG. 1.

is in the shoulder of the blade, and into this a lug drops when the knife is held in a certain position, and drops out when the position is reversed. To open, the knife is held as in Fig. 1; the shield down, and the forefinger pressing against the blade. You then strike the free end of the knife lightly against some object; this jars the lug out of the hole in the blade, and back to a hole in the handle. The finger is removed as the knife is struck; the blade flies open of its own accord. In closing

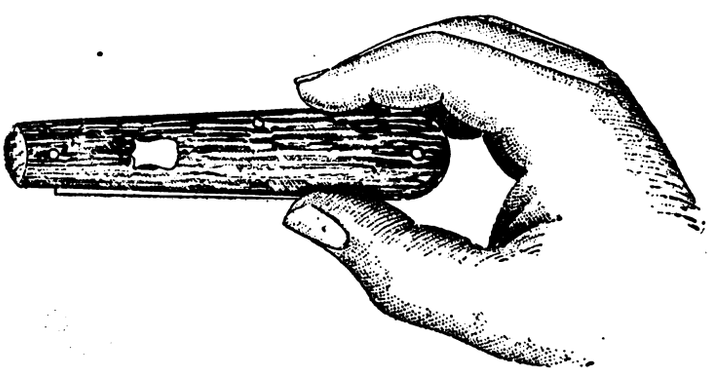


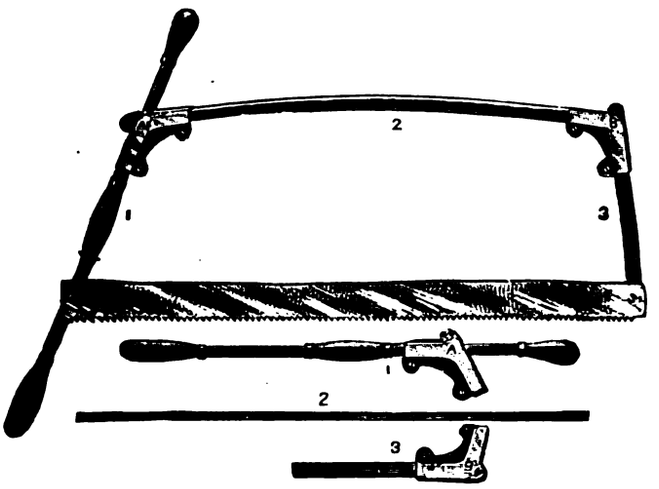
FIG. 2.

the knife it is held as in Fig. 2, with the shield up. The blade is then pushed home with the forefinger, when the end of the knife is struck, jarring the lug back into the hole in the blade, holding it securely closed. It is impossible to open or close the blade in the ordinary manner. Samples will be sent, prepaid, by mail at $4 per dozen.

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Jacobs' Adjustable Steel Buck-Saw Frame.

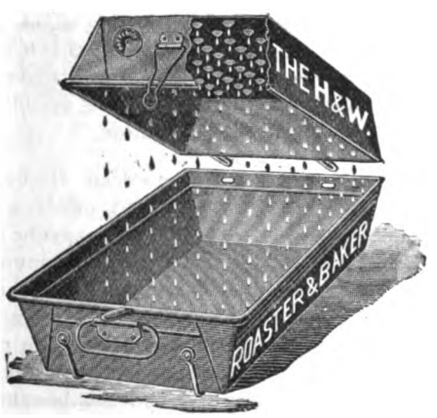
C. E. Jennings & Co., New York, are placing upon the market the Jacobs' Adjustable Steel Buck-Saw Frame, which is herewith illustrated, and which possesses many good points. "This frame is made of the best spring steel, joined together



by couplings, as shown by letters A and B, and adjustable to any length saw, also to different depths cut, and is also easily detached so that it can be packed in an ordinary tool chest. As it is made of steel, it is not affected by the weather, and is therefore one of great durability. In its proportions great pains have been taken to make it perfectly balanced, thereby giving the best results with correspondingly little effort."

"H. & W." Self-Basting Pans.

The Hill, Whitney Co., Boston, Mass., are manufacturing the "H. & W." Self-Basting Baking and Roasting Pans, an illustration of which is here shown. They describe it as "the only pan with indentations in the top, making self-basting positive." They are made of planished steel, which is described as "similar in appearance to Russia iron, but much more durable." In further description they say: "In presenting this new and improved Roasting and Baking Pan to the public, we do so under the full assurance that science has fully demonstrated, and the public accepted, the theory that anything cooked in a utensil where the steam is kept in as much as possible, is much sweeter and more nutritious than when cooked in any other way. The Self-Basting 'H. & W.' also combines all the advantages of other pans; its simplicity of construction enables the



user to adjust and handle it readily; very durable and easily cleaned. The wire shoes on the bottom which prevent burning of contents and allows a free circulation of heat in the oven under the pan, together with an improved catch, recently added, have won for the 'H. & W.' Pan a national reputation from dealers and users."

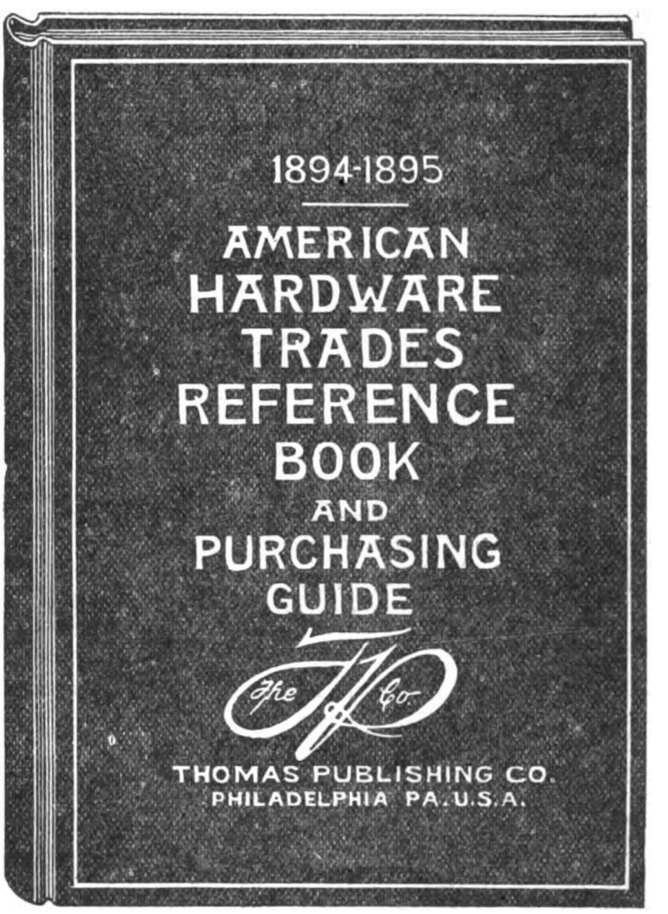
Perfection Nasal Expander.

A little article which will interest not only athletes, bicycle racers, etc., but also all who are afflicted with a difficulty in breathing, is being placed upon the market by the Nasal Expander Co., Havemeyer Building, New York. It is called the Perfection Nasal Expander, and the method of its use will be seen from the accompanying illustration. The spring in the centre, when caught, holds the Expander in place, while the side pieces press against the nostrils and hold them open, giving the air passages free play. The manufacturers declare that the Expander "is easily adjusted and quite invisible; the tension of the springs can be increased or lessened by a slight bending of the slender outer bands; the metals used are silver and gold, thus making corrosion of the Expander and erosion of the nostrils impossible. Three grades are manufactured: all gold, gold springs with silver disks, and all silver Expanders." They further say: "The Expander will prevent any possible collapse (sinking in) of the nostrils under all circumstances. It provides an exact scientific method of massage whereby weak nasal muscles are gently stretched and thus strengthened. There is no possibility of deformity resulting from its use. It will be found invaluable to athletes, speakers and vocalists 'in practice,' if not during 'active engagement.' To Cyclists: In riding the wheel, the familiar stoop is an impediment to easy respiration through the nostrils. The Expander is admirably adapted to meet the difficulty." The company will be pleased to send an explanatory catalogue upon application.



A Valuable Hardware Reference Book.

A long-felt want to the entire Hardware trade, is indeed well filled by the "American Trades Reference Book and Purchasing Guide," just issued by the Thomas Publishing Co., Philadelphia, Pa. This book gives in a condensed form, arranged alphabetically for instant reference, all the manufacturers in the United States and Canada, of all articles handled by Hardware, stove and implement dealers. The relative size of each manufacturer is shown. The work is minutely classified, showing not only the manufacturers of every article and every kind



of article, but also the special brands and special names o articles, every manufacturer being given an unlimited number of headings free. The price is so low that no well equipped establishment should be without it; and we can personally say in this connection, that the work is in constant use in the office of HARDWARE, and has proved a very mine for information that could not be elsewhere obtained. A great amount of money and labor must have been expended in getting this valuable material together. Further information as to the work may be found in detail upon page 58 of this issue.

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The "Easy" Bolt Clippers.

H. K. Porter, No. 66 Beverly Street, Boston, Mass., is successfully manufacturing a line of goods known as the "Easy" Bolt Clipper. Two forms thereof are illustrated in this connection, the No. 1 in Fig. 1, and the No. 2 in Fig. 2. It is stated by the manufacturers as evidence of the success achieved by these goods, that twenty-nine thousand of them had been sold prior to January 1, 1894, and that they were sent to all parts of the world. In description, he says: "It is so well known that it is unnecessary to describe it at much length; but previous to the introduction of the 'New Easy' it was the only open-shear bolt clipper ever invented having practical adjustment. Each handle has a short arm called the adjusting section hinged to it on the outside, the other ends of the arms being hinged to the jaws. These arms are held against the handles by a bolt passing through both, and they are really a part of the handles. Between the short arms and the main part of the handles, can

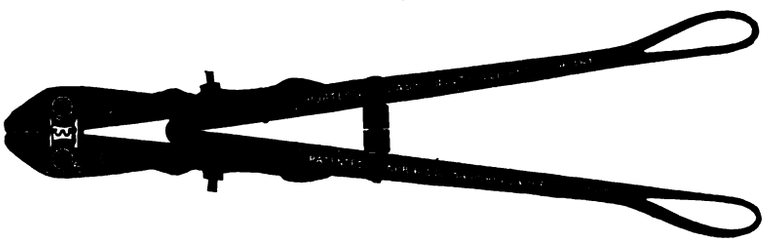


FIG. 1.—No 1, "EASY" BOLT CLIPPER.

be put thin iron shims, which are furnished with each clipper; this makes the handles wider, and of course moves the cutting edges of the jaws nearer together. A bolt clipper is of no use, unless it has an adjustment to keep the cutting edges close to each other; and if it has only a little adjustment, it will last only a short time, when it will be necessary to get a new pair of jaws. The 'Easy' Clipper is sufficient to wear 3-16ths of an inch off from the edge of each jaw, which will last the whole life of the clipper.

"The jaws of the 'Easy' Clipper work between two steel straps, and upon two steel bolts, which pass through both straps and jaws. These bolts have flat heads which are sunk into the bottom strap. Two holes are drilled through the strap partly in the sides of the bolt-heads, and in each of these holes is put a steel rivet, after which the bolts cannot turn. The lock nuts have teeth around their bases, and the lock plate has toothed holes which fit the lock nuts. The equalizing gears hold the lock plate in place. It is plain that if the steel rivets in the bottom strap keep the bolts from turning, and the lock plate keeps the lock nuts from turning, that it is impossible for the

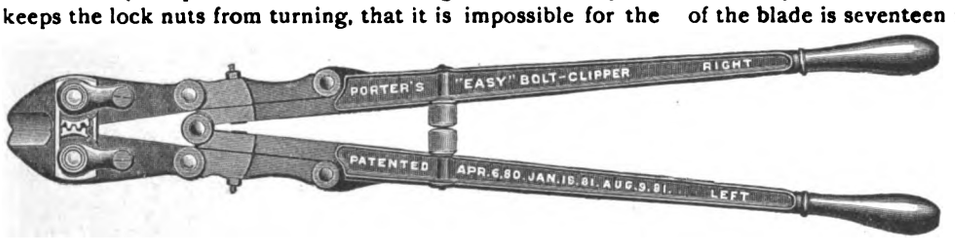


FIG. 2.—No. 2, "EASY" BOLT CLIPPER.

jaws to get too tight between the straps, or to get too loose except by wear. The stops between the handles are of rubber. They are secured in such a way that they can give when the handles are pressed together, and they prevent any jar on the hands even in cutting off large bolts.

'The 'Easy Bolt' Clippers are sold by most of the dealers in Hardware and tools in the United States and Canada, and large numbers have been exported to England, France, Germany, Australia and other foreign countries. Dealers who do not carry them in stock will generally order them when their customers want them to; but when they will not, or when they offer any imitation, I will thank those who want my tools to write me, and I will either let them know where they can be had, or sell them direct."

W. F. Main, treasurer of the Payson Mfg. Co., Chicago, Ill., was in the city last week and visited Boston in the interest of his company.

Great Activity at Fremont, Ohio.

Information as follows comes from the already busy little city of Fremont, Ohio:

Fremont Knife Co., incorporated, with capital stock of $5000, for the purpose of manufacturing and selling knives, and also to act as agents for other parties, in the manufacture and sale of knives of all kinds. L. H. Cress, Russ J. Christy, C. H. Myers, N. C. Sherwood and R. H. Rice, incorporators.

Fremont Shear Co., incorporated, with capital stock of $5000, by L. H. Cress, Russ J. Christy, Charles Thompson, N. C. Sherwood, R. H. Rice, for manufacture and sale of all kinds of shears, scissors, tinners' snips, pruning shears, corrugated shears for metal roofing, and foot and power shears for squaring metal sheets, etc.

Fremont Cutlery Co., incorporated by L. H. Cress, Russ J. Christy, C. H. Myers, N. C. Sherwood, R. H. Rice. Capital stock, $5000, for manufacturing and selling edge tools of every description, and of acting as agents of other manufacturers for the sale of edge tools and performing all things incident thereto.

Fremont Mfg. Co., incorporated, for the purpose of manufacturing and selling dies, presses, and special grinding machinery for the manufacture of knives, shears, scissors and other manufactures in the same line of business. Capital stock, $5000. Incorporated by L. H. Cress, Russ J. Christy, C. H. Myers, N. C. Sherwood and R. H. Rice.

Fremont Bread Knife Co., incorporated, with capital stock of $5000, by L. H. Cress, Russ J. Christy, C. H. Myers, N. C. Sherwood and R. H. Rice, for the purpose of manufacturing and selling knives, specially designed for bread, cakes and pastry; also knives of peculiar form and edge for carving meats.

Christy Bread Slicer.

The Christy Knife Co., Fremont, Ohio, for whom David Eastman, No. 64 Reade Street, New York, is agent, have had much success in placing their No. 10 Christy Patent Bread Slicer upon the market. In bread slicers the cutting blade naturally has to be very thin, so much so that it is apt to bend or cockle under pressure. To obviate this the knife has connected with it a steel frame, placed transversely with it. This is so arranged that the knife can be readily separated, if it, for instance, became broken. The object is to combine the delicate blade of the Christy Knife with a frame that will give it stability, similar to the saw for cutting wood. The length of the blade is seventeen inches, and to say that it will cut vegetables or bread without crumbs, shreds or waste, would be an act of supererogation.

An American Hardware journal (HARDWARE) offers a year's subscription free to anyone who can cite an instance of meanness in customers to equal that of the man who bought a mouse trap, took it home, caught the only mouse in his house and then wanted the dealer to take the trap back. We recall a case that came under our notice some time ago where a woman asked to have a toothbrush that she had bought six months before exchanged because it did not fit her mouth, and our contemporary mentions another woman who wanted a key to unlock her trunk. She was handed two, and left, saying she would return in half an hour to pay for the keys or return them. She never appeared again.—*Hardwareman* (*Englana*).

"Downing's United States Customs Tariff" is the title of a book of over five hundred pages, just issued by R. T. Downing & Co., New York. It is a full exposition of the new tariff, and contains not only a full copy of the tariff of 1894, but also of the customs administrative act of 1890. The book is arranged alphabetically, and contains over twenty thousand articles under their proper trade names, with the proper rate of duty, and a reference to all decisions by the courts and appraisers. The price is $1.

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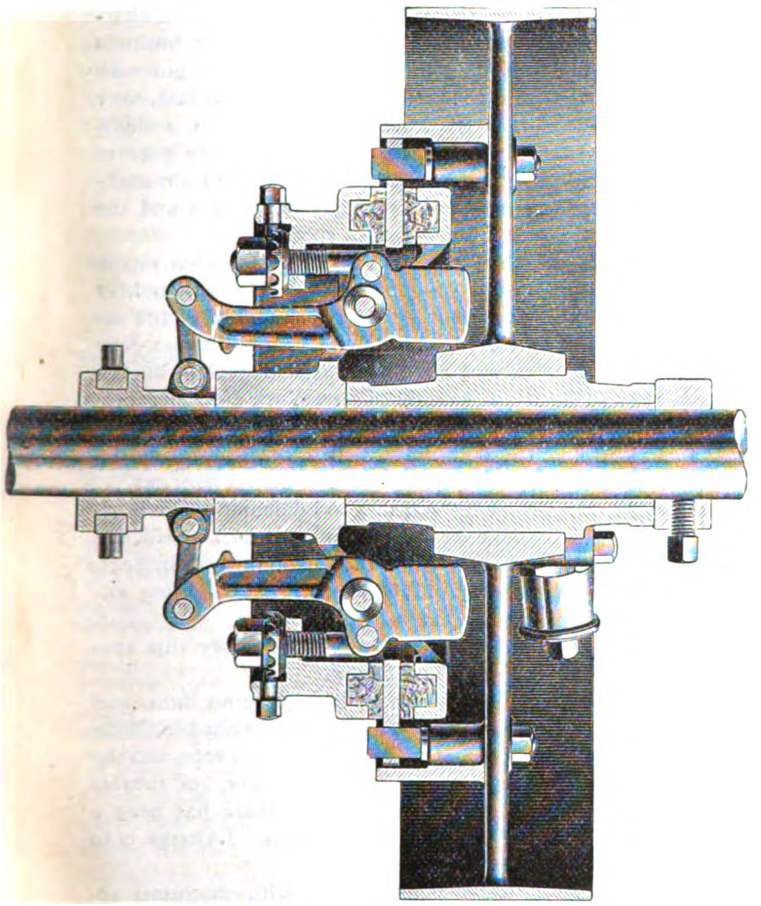
E. W. Bliss Co.'s Friction Clutches.

The E. W. Bliss Co., No. 18 Adams Street, Brooklyn, N. Y., have the following to say concerning their Friction Clutches' illustrated views of which we are pleased to show in this connection:

We have been users for some time past of a large number of Friction Clutches, nearly every geared machine built by us being operated by one. Until recently we have purchased these clutches in the open market, but we became convinced that none offered for sale were as good as could be made, and we determined to procure something better than we could buy. Investigation has convinced us that the Clutch we now offer is far better than any other to be had, and, in fact, is as near perfection as is possible for any such mechanism to attain. We have, therefore, procured the patent rights of this clutch, and, having established a special plant for the manufacture of Clutch Pulleys, we offer them to the public with the confidence that they will meet with wide-spread approval. Our elaborate system of special appliances insure all parts of the mechanism to be interchangeable, and of the highest class of workmanship.

The special features of excellence which we claim for this Clutch are:—

1.—A friction disc flexibly connected to the pulley against the sides of which the clutch members grip. Therefore, if the



pulley wears out of true on the shaft, no difference results in the operation of the clutch, no undue strains are brought on any of the parts, and no adjustments are necessary to compensate for this wear.

2.—There are only two clutch members, one keyed rigidly to the shaft to which the levers are attached, and the other movable. This makes the adjusting of the clutch a very simple matter.

3.—The levers are so balanced that at any speed at which the clutch is run the centrifugal force has no tendency to throw the clutch in or out of operation. This is a very important point, and one not found in the majority of clutches in the market.

4.—The clutch is constructed with very few parts, and is so put together that it cannot get out of order.

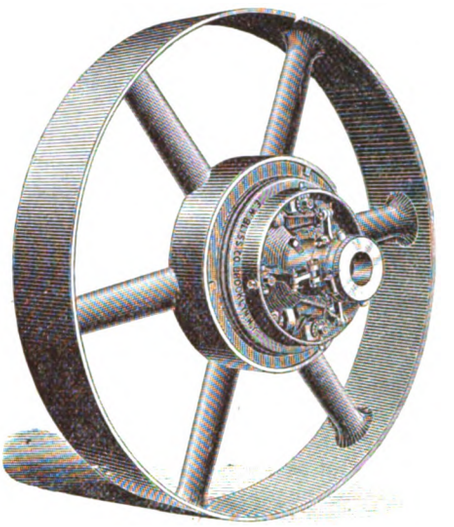
5.—Its clutching members are circular and concentric with the shaft, the only projecting parts being the levers, so that it not only presents a pleasing appearance when revolving on the shaft, but is in accurate balance, and may be run with safety at any reasonable speed.

6.—It is very compact, and occupies small space on the shaft.

7.—It is constructed in the best possible manner, with all parts interchangeable.

8.—We have a system of bushings for pulleys so arranged that if on account of long continued use, or where a poor quality of lubricant is used, the bore becomes worn, the bush can be returned to us and exchanged for one with a new lining, at small expense.

9.—The horse-power which the various sizes of clutches will transmit is obtained from actual test by means of a dynamometer especially constructed for the purpose, and we guarantee that the clutch attached to any pulley will transmit more power than can be transmitted by a double belt the full width of the pulley.



The list we furnish covers the sizes of pulleys ordinarily required, but we solicit correspondence, and will promptly submit estimates for special Clutch Pulleys not listed. In adding this new line to our business, we shall endeavor to merit the confidence which our patrons have heretofore placed in us, and wish to assure them and others that their commands and inquiries shall have our prompt and careful attention.

Such dealers as are interested in cuspidores, will find it worth their while to examine the card of the Cuspidore Mfg. Co., No. 30 Ward Street, Newark, N. J., upon page 49 of this issue. The company are the sole owners of "Walton's" patent adjustable bowl cuspidores, and claim to be "the only business house in the United States devoted exclusively to the manufacture of cuspidores. Made in cast brass, cast gray and malleable iron, japanned in all colors and fancy striped spun brass and nickel plated, or in silver to order." The company are in a position to interest any dealer in their line, and will be glad to send prices, etc., upon application.

E. T. Barnum, Detroit, Mich., was recently awarded the contract for a large fountain for the Court House Square at Coshocton, Ohio. Mr. Barnum is the well-known manufacturer of wire and iron work, and he will be glad to correspond with anyone contemplating purchasing fountains, statuary, vases, iron chairs, settees or any of the following goods of which he issues special catalogues: wire and iron fences, bank and office railings, stable fittings, weather vanes, roof cresting, steel jail cells, wire cloth, etc.

Charles Daly, of Schoverling, Daly & Gales, New York, sailed on the *Campania* some days since, for Europe. He will be gone some six weeks, his tour being principally one of business, largely connected with a new line of bicycle lamps of Powell & Hanmer, for whom his firm are agents in America.

The Central Stamping Co., No. 25 Cliff Street, New York, are, we are informed, about to erect a five-story brick tinware factory, 75 by 45 feet, to cost $20,000.

The Latest Catalogues.

The Van Wagoner & Williams Hardware Co., Cleveland, Ohio, and No. 14 Warren Street, New York, have published a well illustrated, neatly printed catalogue in octavo of sixty-eight pages, describing a large variety of their manufactures many of which are new to the trade.

One of the new features is the Oxford Spring Hinge with blanks, the spring being placed at the top and the blank at the bottom of the door. These are japanned and bronze-plated with ball tips, and of real bronze or polished brass with ball and oval tips. These are made in several finishes, such as dark copper, oxidized copper, old copper, Boston finish and Bower-Barffed iron.

In the Crown Spring Hinges, which are double-acting for screen doors, a new principle is introduced, that of locking down below.

The Gem Steel Wire Coat and Hat Hooks are made of double wire, instead of single as heretofore. The yielding base with gimlet screw points is the feature of these hooks. In the ceiling hooks the wires run parallel at the bottom instead of single as heretofore.

The Dome Sad-Iron Heaters are new, the feature being that the heat comes in direct contact with the surface of the irons.

The Excelsior and Gem Stove Pipe Dampers are also new. The Carpenters' Pincers are new in pattern.

A large variety of goods of the Trenton Vise & Tool Works, of Trenton, N. J., to which the Van Wagoner & Williams people have succeeded in business, are also described.

In the back part of the book is a condensed price list of spring hinges, giving the prices of numbers, which reach into the thousands.

William T. Wood & Co., Arlington, Mass., manufacturers of ice tools, for whom Joseph A. Bogardus, No. 167 Chambers Street, New York City, is sole agent, have issued their usual annual catalogue, a well illustrated octavo of forty-eight pages, which cannot otherwise than prove to be interesting to the trade. The company have a reputation for making tools of the highest grade, and in this respect little can be said regarding improvements in their wares over last year. It is well understood now to the ice harvester that it is of the utmost importance he possesses the most perfect working tools he can buy. None but the very best are economical. The cutting season is short, the weather is cold, the men are hurried, and an unnecessary delay on account of unmanageable or imperfect tools, is both aggravating and expensive. A good tool pays for itself a number of times over; a poor tool is most expensive. The Arlington, Mass., people claim to be the oldest ice tool manufacturers in the United States, make nothing else, are located in the midst of extensive ice cutting companies, use no inferior material, and add to these claims that they "make the best in the market and sell at the lowest price the best can be sold."

Schoverling, Daly & Gales, No. 302 Broadway and No. 84 Duane Street, New York, have issued a semi-annual catalogue of 126 pages, covering their lines of goods for the fall trade. They call it "Catalogue 94 B." It will be sent only to legitimate dealers in sporting goods. Among the many lines which it describes, the following can be named: Guns, rifles, reloading tools, revolvers, ammunition, gun implements, canvas and leather goods, hunting clothing, bicycles, lanterns, hunting knives and hatchets, calls, decoys, police goods, football goods, boxing gloves, compasses, roller and ice skates, gymnasium clothing, gun locks, springs and parts, flask, pouch and belt parts, and gunsmiths' tools.

E. T. Barnum, Detroit, Mich., has just issued an annual fall supplement to his general catalogue; also a supplement devoted to builders' iron work, one to his fence catalogue, and minor ones. These are being sent to the trade in a number of foreign countries, as well as in the United States.

The E. W. Bliss Co., Brooklyn, N. Y., have issued a catalogue of their Flexible Friction Clutch Pulleys, which contains a great deal of information of value, some points of which we are pleased to mention in another connection.

Review of the Markets.

Money: There has been little of note to mention in the money market during the past fortnight, affairs moving along in an even way. Rates have stiffened a little, owing to an increased demand for funds with which to move the crops, both at the West and the South. One feature which, however, ought to bear mentioning, is the low price for American products, both wheat and cotton being depressed to a remarkable degree, the lowest prices for a half century for each having been reached. As these products are sent abroad to a great extent, and for which gold or its equivalent in trade is sent us in return, the financial result is somewhat problematical.

Treasury receipts have increased to such an extent that there is no further fear upon that score for the present.

The price of silver has also advanced, which, if it continue, will be a relief to a large section of the country.

There are some disquieting features in the labor situation, but this is to be periodically expected for some time to come. One half of the sugar refineries of the country have closed, with an expectation that more will follow. The tin-plate mills of the country are also closing down on account of wage disputes. The Carnegie people have reduced wages, and the number of people out of employment in the cotton manufacturing districts is considerable.

In the Hardware trade the reports are of a favorable character. Special reports coming from Boston say that business has been very fair; in Philadelphia, paints and glass not very active; Pittsburg, better than for a long time; Buffalo, very satisfactory; Baltimore, a good movement; Chicago, a slight falling off in orders; St. Louis, keeping up with the pace of the season, which has been exceptionally good, and throughout the South the reports are uniformly fair, Texas and the South Atlantic Coast being very bright spots.

Retail Hardware dealers in New York and Brooklyn report a large business in all lines of goods. A dealer in Brooklyn expressed himself in a very enthusiastic manner as to the results of the season so far. A walk down Chambers Street, New York, in the afternoon, and a look at the small tablets on the wagons, shows that all the suburbs of New York are well represented.

The carriage and tire bolt makers at a recent meeting decided to advance prices upon an average of fifteen per cent.

Strap and T Hinges have been in good demand. The business is well distributed, but the orders are small. Still, the aggregate is large, September being the best month of the year. The movement indicates a rapid increase in small building enterprises in all the suburban towns of the country.

The demand for skates has been very satisfactory this season; in fact, better than any year before.

Linseed Oil is steadily held, the offerings being light, and some have been withdrawn. In white lead there has been little change in prices; still, competition is somewhat severe, and the tone of the market is not strong. Dry lead is low, and futures are weak. Lead in oil is weak. In red lead there has been a slight advance, but at the expense of business. Litharge is in good request.

In Window Glass the demand is fair, with discounts reported at 90 per cent. for double strength glass. New York importers of French window and picture glass have published a new price list, with reductions to correspond to the new tariff. The discount on the list is 60 and 10 and 5 per cent.

Ammunition men report a business hardly equal to last year; the exception being in that of loaded shells, which at the moment is very large.

File manufacturers report a fair business, but it still continues in the way of small orders.

In silver-plated and flat ware there is a confident feeling that the Christmas trade will come up to the proportions of past years. Travelers are all out, and sending in fair orders. The spoon trade, which is not a holiday specialty, is reported as dull.

In rope and cordage there is believed to be some important movements in anticipation. The rumors are, however, so vague that it is impracticable to state the accurate position. One rumor is that the John Good Cordage Co. and the United

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States Cordage Co. are to be amalgamated, while, on the other hand, it is reported that the companies composing the combination are in a state of disintegration. The binder twine season is now over, and the effect upon prices will in any case be more apparent than real.

Nails: Wire Nails are active, and prices out of store in New York have been advanced five cents to meet the increase in freight rates. Quotations are $1 base at the mill in Pittsburg and $1.25@$1.30 out of store in New York. Cut Nails are in fair demand, the price being $1.05 out of store in New York and 95 cents on dock in New York Barb Wire is quoted at $2 f. o. b. in Pittsburg In nails there is a small export trade with the eastern coast of South America and South Africa; still, the main supplies come from England, Germany and Belgium.

Metals: The iron market shows considerable improvement in various directions, and the demand for structural material shows that the spirit of building enterprise is reviving. Prices do not, however, advance the capacity of production, keeping in full pace with the consumption. The demand is, however, for quick shipments. Prices are $12.50@$13 for No. 1, and $11@$11.25 for No. 2. Southern is $11.50@12 for No. 1; $11@$11.25 for No. 2. Tin is dull, and the prices made by the syndicate which is endeavoring to control the market are barely maintained; in fact, they are slowly receding. Stocks are plentiful and accumulating. Copper is very firm, the production being sold ahead, and, it is said, to actual consumers. One lot of a half million pounds has been sold within the past fortnight at 9¾ cents. Lead is slow and difficult of sale. Stocks are plentiful. Spelter is being pressed for sale with drooping prices. Antimony is quiet, the demand being equal to the supply. In tin-plate the large withdrawals from bond will keep the market in a soft condition. Fresh importations are also on the way.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	10¾
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¼
Anchor Rolling.....	10⅛
Baltimore Rolling.....	10⅛
Orford.....	10⅛
Tobin Bronze—Rods.	
¼ inch to 3⅛ inches, incl ...17c. ₩ ℔	
Over 3⅛ to 5 " " ....18c. "	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3⅛ inches, inclusive..18c. "	
Over 3⅛ to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ ℔....	8⅛
Cookson's.....	10
Lead.	
Foreign.....₩ ℔....nominal.	
Domestic.....	3½@3¾
Spelter.	
Foreign.....₩ ℔....	4¾
Western, common.....	4@4¼
Zinc.	
Sheet, cask.....₩ ℔.....	5@5
Tin.	
Straits, 10 ton lots, spot ₩ ℔	16½
Straits, store lots.....	17@17½
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	5⅝
Bessemer do.	5.90
Charcoal Tins:	
Melyn grade, 14x20 IC....	6.25
1st X $2, addit'al X, $1.50	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	6.00
Charcoal Ternes:	
Worcester, 14x20.....	5.87½
Do 20x28.....	11.50
M. F., 14x20.....	7.50
Do 20x28.....	15.00
Dean, 14x20.....	5.50
Do 20x28.....	11.00
D. R. D. grade, 14x20.....	5¼
Do 20x28.....	10½

Clapp & Co., bankers and brokers, report the following condition of the crops: "Cotton.—The large receipts anticipated have not appeared. Prices are continually dropping. In wheat the receipts have been large, and the quality is about the best on record. The price is the lowest on record since 1859. Corn is believed to be short to the minimum given by the government crop report, but crop reporters and statisticians still maintain that there are 1,500,000,000 bushels in the yield of next season. The consumption is rapidly decreasing, as is usual in such extreme cases. Oats will prove a good crop. In stocks and bonds what is needed is the willingness of large holders to set the pace for the smaller class in the reorganization schemes which are now before the general public."

THE ST. LOUIS TRADE.

Regarding the Hardware business in our city, would say that all of our houses have had all they could attend to during the last thirty days, and are still busy with orders now in hand. We expect that trade which is contiguous to St. Louis will keep up, and compare with our sister cities in the West. There is no doubt but that St. Louis is the best and cheapest market for Hardware in the country. With the varied stocks carried by all of our jobbers, St. Louis can compete and secure trade from any station. General Hardware in all its branches is low in price, and there is not in staple goods any opportunity for advance in prices. There is nothing to report in the matter of prices. Barbed Wire and Wire Nails seem to be off, as regards selling prices; Steel Cut Nails are firm, owing to the small demand, and but few factories are running or making Cut Nails. To sum up the whole trade in our line, would remark that everybody is busy. A. F. SHAPLEIGH HARDWARE CO.

THE CLEVELAND TRADE.

Business for the month of September hardly reached the expectations of those who were encouraged by the good business obtained in August. At the same time a very decided improvement is shown, as compared with September, 1893, which simply goes to confirm, what everybody is claiming, that we are on the road to improvement.

It is hardly to be expected when so many people are still out of employment, and so many others still compelled to economize, that we can have business restored to the same volume that we enjoyed before the late disturbances.

There is very little of interest to chronicle, as prices continue very weak, and seem if anything to be seeking a lower level. What business is being done is of a healthy nature, and covers the demand from day to day. Speculation is entirely absent, and there is no occasion for its appearance.

Carvers, pocket cutlery and other articles affected by the tariff are commencing to move in good quantities, all uncertainties having been dissipated.

Collections remain satisfactory, and general business conditions are encouraging.

THE MCINTOSH-HUNTINGTON CO.

THE DAVENPORT TRADE.

August sales were a little better, and September fully equal to those of 1893.

The nail market seems to have improved, but manufacturers give no reason for the advance, and jobbers are reluctant about changing their prices to conform, but are simply adding the actual five cents advance in freight.

The new tin-plate schedules of October 1st are in effect; the market is very much disturbed thereby, and prices are lower. Many American manufacturers have closed down, pending a readjustment of the wage question. One correspondent writes: "Our workmen have refused to bear any portion of this reduction, and as it is impossible for us to continue paying the wages which were adjusted under the McKinley tariff, and which were more than twice as high as those paid in Wales, we must stop."

The advance in Screws of September 27th, failed to materialize, and was rescinded on October 2d. Price of wheels and axes are higher. The late advance in Linseed Oil is well maintained. Rope prices are being cut in the West, but manufacturers' prices remain unchanged. Makers of steel goods are naming lower prices for 1895. The retail dealers are buying very cautiously, but as stocks are light, they are sending in frequent mail orders. Collections are good.

SICKELS, PRESTON & NUTTING CO.

THE BALTIMORE TRADE.

A stranger visiting our city for the first time, viewing the gay decorations along the principal thoroughfares, the flying bunting, the blending of orange and black (the State colors) worked into all sorts of conceivable designs, would marvel at the holiday appearance, and his first question would be, "What is it all about?" As

> He who far off beholds another dancing,
> Even one who dances best, and all the time
> Hears not the music that he dances to,
> Thinks him a madman, apprehending not
> The law which moves his else eccentric action,

so also would this visiting stranger deem us mad, unless apprised of the cause for all this jollity. The Orioles won the pennant, and the base ball enthusiasts are celebrating the victory. With all the hurrah attending such celebrations, it must not be supposed that business has been neglected. On the contrary, business has received a decided impetus on this very account. The low excursion rates ruling from points along the Shenandoah Valley and throughout Southwest Virginia have induced many visiting buyers from that section. Their coming always means increased activity in all departments, and

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we look forward to a fairly busy period during the month of October. From agricultural regions the reports generally are favorable. The loss occasioned by the low price of wheat has almost been compensated for in the price of corn. Crops in general have been good, the yield heavy, and with the exception of cotton, bear a good margin of profit. The depreciation of this last named article is truly deplorable. King Cotton has become a puppet in the hands of the speculators.

The demand for seasonable goods, winter goods for the most part, still continues, house-furnishing Hardware running a close second. Orders are still of that endless variety feature, betokening skeleton stocks in the hands of the retailer. Confidence in prices is becoming more general, though as yet there seems but little disposition to anticipate future wants. Prices on many lines are very, very bad, and will bear watching.

Our gun business so far this season has been very gratifying, the recent issue of our catalogue largely influencing a heavy mail order business for interior points. The low values occasioned by the recent tariff changes have increased the sale of the Belgian guns to such an extent that some difficulty is being experienced in supplying the demand. Gun clothing, cleaning sets, implements and kindred goods are finding ready purchasers. Collections are very fair.

THE TABB & JENKINS HARDWARE CO.

THE PHILADELPHIA TRADE.

It is rather difficult to state the present condition of trade, as it moves by fits and starts. Sometimes it surprises by frequency of orders, and at other times it is hard to find them. Even the frequent orders are very small and many are required to run up into money. There is no doubt that merchants are more disposed to do business; everyone is tired of economy and dull sales, and anxious to do business, but timidity seems to be the order of the day.

Manufacturers seem to be encouraging this timidity, as they make advances with great delicacy and usually have not enough backbone to sustain them. The recent flurry in screws is a case in point. Screws are such a staple in the Hardware line that it was hoped it meant a gradual advance all along the line, but the baby only lived a week, and might well say in the old epitaph on a young baby:

"If I was so soon to be done for,
I wonder what I was begun for."

In other lines the same timidity appears, and while manufacturers are doubtless making many goods at no profit, they are still afraid to advance.

For all this, it must be admitted there is an undeniably better feeling in the trade, and business has more snap and is running to greater volume than in any other period of the year. Tools are once more in demand, and perhaps this is the most encouraging sign of all, as it shows men are once more getting down to work.

There have been a few minor changes in prices, but the disposition is more general to advance, and it is evident that factories have low stocks, and this ought to do much to bring higher values.

On the whole, the situation is brighter, while it is far from the boom advocated by some partisan papers.

BIDDLE HARDWARE CO.

THE MINNEAPOLIS TRADE.

We have been having dull weather for the past eight or ten days, and it has had some effect on business, but we are glad to report that there is general improvement all around. This improvement extends to all lines, jobbing and retail dry goods, groceries, boots and shoes, etc., as well as Hardware.

It will undoubtedly be a very quiet winter, except in lumbering business. The mills are all running full, flour mills being particularly active. Stocks as a rule in all kinds of merchandise are very much reduced; everyone at the present time still buying in small lots, and undoubtedly this will continue until spring trade opens up, when we hope for better times.

W. K. MORISON & CO.

THE VARNISH AND COACH COLOR TRADE.

In glancing over the Varnish and Coach Colors trade, we find that in the last few weeks mail orders are more frequent, and for larger quantities than for some time past. A great many customers are much busier than they have been in many months, but this improvement does not apply to every one by any means.

Prices remain practically unchanged, although in some lines the cost of raw material is greater. Matter of collections does not by any means show as great an improvement as the orders do, although there is some change for the better even in collections.

On the whole, the situation is certainly greatly improved since the middle of August, and it is sincerely hoped that the improvement may be permanent, and be felt in many new directions in the near future. Business is not what it ought to be yet, but there seems to be the first real sign of clearing in the general situation which has appeared since the long depression beginning in 1893. We certainly look for a decided improvement, though not for anything very large before about the beginning of another year.

EDWARD SMITH & CO.

Times Building, New York.

THE GRAPHITE INDUSTRY.

Brisk, active, rushing, snappy, are useful words in illustrating the state of the Graphite Trade for September; a continuing of steady increase commenced in August. The particular activity is in pencils, followed in regular order by crucibles, graphite paint, stove polish, lubricating grease, and graphite for lubricating and special purposes, so that notwithstanding the month was shortened by an extra Sunday and a holiday, the total sales show an increase over the totals of any month since March, 1893.

During the month forty-six new names have been added to roll of employees.

Orders are received from all directions, and from the old, regular customers, a very small per centage of the business being a result of new trade.

The belief manifested last month by many manufacturers, that after the jobber stocked up the volume of business would materially lessen, is not carried out by facts, as we are receiving additional and duplicate orders from jobbers, showing a demand by small dealer and consumer, and a healthful state of affairs.

We do not hesitate to emphasize our belief that the outlook for the manufacturer of standard goods is in every way encouraging. Collections prompt and satisfactory.

JOSEPH DIXON CRUCIBLE CO.

Jersey City, N. J.

A Dayton, Ohio, exchange states that the Dayton Mfg. Co. recently purchased from the Covington (Ky.) Brass Mfg. Co., their entire gasoline stove plant, which is shortly to be removed to Dayton. The removal will be made as soon as a new building, which is now in process of erection, is completed. This building is being constructed by the Dayton Mfg. Co. in the rear of their present building at the corner of Third and Garfield Streets. It will be a substantial brick structure, dimensions 63x120 feet.

The different trades in Brooklyn, N. Y., have contributed quite largely in the building of the armory for the Thirteenth Regiment, N. Y. S. G., and a grand opening will take place extending from October 15th to 20th. The entertainment will be a pleasing one, music, refreshments and souvenirs being given. The bicycle trade is specially interested in the affair, as many of the members of the regiment are devotees to the wheel.

The Century Cycle Mfg. Co., Nos. 243 to 249 Virginia Avenue, Indianapolis, Ind., whose factory was destroyed by fire in March last, had enough wheels in their warehouse to keep up a portion of their trade, but are now compelled by the demand to start their new factory at Shelbyville, Ind. They hope to be in full running order by November 1st.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, show upon page 41 of this issue several of their "Prize Winner" Horse Clippers. They have also a neat little circular illustrating and describing the same, which they will be pleased to send upon application.

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W. M. SMITH, DEL.

To Learn Book-Keeping,

WHEN you can learn it within THREE WEEKS' **HOME STUDY** of **my book** or have the **cost of it refunded!** **4,123** testimonials received! Two say: "Learned from your book and *got a situation* in 3 weeks!" "My employers have increased my salary from **$780** to **$1,650** a year—as a result of improvements made in my system through NEW POINTS acquired from **YOUR BOOK!**" **4,121** *other* testimonials of *similar strength!* **42,110** copies sold up to Monday, Oct. 1, 1894. Price (post-paid), **$3.00.** ☞SAVE THIS and send for a descriptive pamphlet, or for a copy of THE BOOK. ☞'Tis BRISTLING with **NEW POINTS!** **J. H. GOODWIN,** Room 766, 1215 B'way, New York.

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IF THE FORMER, I'll qualify you for the filling of an "A1" position as Book-keeper, and will then do all I can towards securing em loyment for you. And the "string tied to it" is this: You are to purchase a copy of my "Improved Book-keeping and Business Manual" (price $3), spend three weeks in its study, write up the "trial set of books" therein shown, make a "comparative statement," and obtain my "audit." ☞You can do **ALL.**

IF THE LATTER, I'll supply you with a book-keeper who will fulfill your every requirement or forfeit his (or her) first week's salary!

J. H. Goodwin,

Room 766, 1215 B'way, New York.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

H. K. PORTER, 66 Beverly St., Boston, Mass. U. S. A

Send for circular and price list.

Can be sold by all Hardware dealers.

The manufactory of M. Einwachter, of Newark, N. J., has been incorporated as a stock company, and the following officers elected: C. F. Guyon, president; Henry Hopkins, vice-president; T. W. Munroe, secretary, and J. Einwachter, superintendent. The company are large manufacturers of mechanics' tools, tracing wheels, curling tongs, door springs and Hardware specialties. The C. F. Guyon Co., New York, are sole agents of the Newark corporation.

A dispatch from St. Louis, Mo., under date of October 2d, says that "the Niedringhaus Tin-Plate & Rolling Mills have temporarily shut down. The employees were informed that they must consent to a reduction of nearly 25 per cent. in their wages or the mills would not reopen. The men must decide, within a week, whether they will suffer the reduction. It is not likely that the mills will reopen, for many of the men have gone East to find work."

W. W. Ferry, No. 88 Chambers Street, New York, has been appointed agent of the Avery Stamping Co., of Cleveland, Ohio, for the territory of New York City, Brooklyn, Baltimore, Washington, Philadelphia, and New Jersey and New England. The Avery Stamping Co. are manufacturers of steel hollow ware, and the Avery silver steel spiders, griddles, kettles and hotel ware.

HARDWARE refers to kissing and wheelbarrows as two things which have never been improved. But, great Scott! That would be impossible.—*New Haven* (Conn.) *Union.*



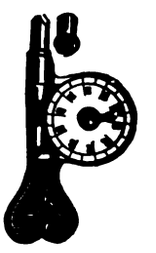
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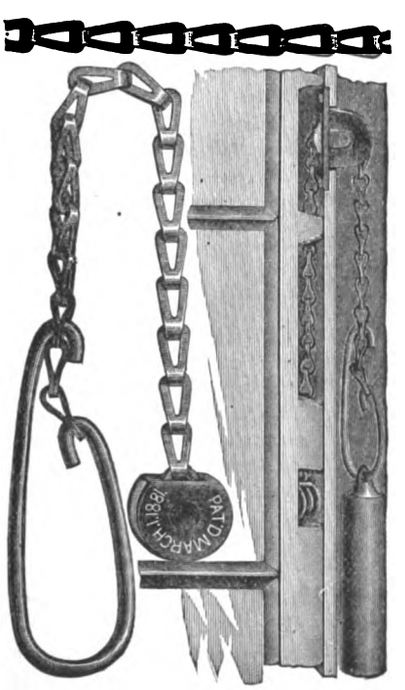
—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—





Over ten years Success of the

"GIANT" Metal Sash Chain.

Economical Substitute for Cord and Cable Chains for Hanging Heavy Weights to Windows.

MANUFACTURED ONLY BY

THE SMITH & EGGE M'F'G COMPANY,

BRIDGEPORT, CONN.

Who absolutely control the only Automatic Machinery which feeds the metal into the machine, punches out the links, forms them into the chain, draws it out of the machine, *and tests its tensile strength without any human hand touching it.*

Also "*Red Metal*" *and Steel Sash Chain* made in the same way, for ordinary use, where a cheaper article is desired strong and simple. Also Patented Fixtures for attaching to the sash and weight and easily and rapidly applied. Special attention paid to communications of Architects and Builders, and samples sent free of charge to any address.

Try it. In use in all the large cities.

All orders and communications should be addressed to

THE SMITH & EGGE MANUFACTURING CO.,

BRIDGEPORT, CONN.

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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Augusta, Me.—A. P. Gould.
Coxsackie, N. Y.—Howe & Ward.
Eddyville, N. Y.—Newton Davis.
Lorain, Ohio.—Chapman & Hills.
Ticonderoga, N. Y.—Lamson & Prescott.

Record of Changes.

Adams Centre, N. Y.—Glasier & Bunce, Hardware and groceries, have sold out

Anson, Tex.—Colbert & Pennick, Hardware, reported dissolved.

Archer City, Tex.—Walls & Chestnut, Hardware, bicycles, etc., have dissolved copartnership, the junior partner continuing the business.

Aurora, Ill.—Bigler & Danahy, Hardware, bicycles, etc., have been succeeded by Daniel Danahy.

Batavia, Iowa.—D. Y. Kennedy and Elmer Tishel have bought Henry Koontz' stock of Hardware.

Bellville, Ohio.—H. M. Brown has sold his Hardware stock to Lewis Cassell.

Carlisle, Ky.—Myers & Owens, Hardware, partnership dissolved, business continued by John W. Myers.

Carmine, Tex.—J. C. Hillsman & Sons, Hardware, etc., sold out.

Geneseo, Ill.—Carter & Weidlieu, Hardware and bicycles, succeeded by W. E. Weidlieu.

Clause, Tex.—A. Anderson, Hardware, etc., moved to Clarendon.

Clyde, Ohio.—W. H. Jackson & Son, Hardware, stoves, etc., reported sold out.

Cogswell, N. D.—W. L. Straub, Hardware, S. T. Peters & Co, succeeded.

Conway, Ark.—W. M. Harrell, Hardware, have been succeeded by W. M. Harrell & Co.

Des Moines, Iowa.—William Newman, Hardware, reported sold out.

Elgin, Ill.—Otis Walbaum & Co, have purchased of Reed & Heine the Hardware store formerly occupied by W. K. Hoagland on Chicago Street.

Elsie, Mich.—E. L. Mort succeeds Snelling & Mort in the Hardware and agricultural implement business.

Fergus Falls, Minn.—How Bros., Hardware, are succeeded by Lee & Peterson.

Freeport, Ill.—McBride & Palmer have sold their stock of Hardware to John P. Coffey.

Gallatin, Mo.—Gilbert & Youtsey, Hardware and agricultural implements, sold out.

Girard, Kan.—Harvey Kinkaid, Hardware, etc., reported sold out.

Greenfield, Ohio.—George Shoemaker & Sons, Hardware, succeeded by Putnam & Barrett.

Greenfield, Tenn.—Shannon & Dudley, stoves, Hardware, etc., succeeded by Coates Bros.

Hamilton, Tex.—J. P. Key, Hardware, succeeded by Scroggins & Williams.

Hersey, Mich.—O. L. Millard succeeds Whitney & Millard in the Hardware business.

Hot Springs, Ark.—Moore Bros. & Co., stoves and Hardware, copartnership dissolved, succeeded by Moore Bros.

Indianapolis, Ind.—Willis P. Maine, Hardware, bicycles, sporting goods, etc., reported sold out

Jonesboro, Tenn.—James A. Boyd & Co, Hardware, dissolution of partnership, Mr. Boyd continuing the business.

Kempton, Ill.—D. B Keigheir has bought the stock of Hardware of I. A. Goodman.

Kensett, Iowa.—Ole E. Tollefsrud, Hardware, sold out.

Knoxville, Tenn.—Hill & Black, Hardware, reported sold out.

Lacey, Ark.—E. P. Zackery, stoves and Hardware, sold out to Sherwood Baker, who will continue the business.

LeGrange, Ga.—A. B. Handley & Co., Hardware, partnership dissolved, J. E. Jones retiring, G. E. Hansom continuing the business.

Lindsborg, Kan.—Luther Swenson has sold his interest in the Hardware store to his partner, J. W. Bengston.

Luling, Tex.—Holcomb & Williams, Hardware, reported dissolved.

Lykens, Pa.—Riley, Bressler & Son, Hardware, reported dissolved.

McComb, Ohio.—Laughlin & Brown, Hardware, reported closing out, about to move to Carey.

Odebolt, Iowa.—Hanson, Daniels & Co., Hardware, reported dissolved.

Orange City, Iowa.—Mr. De Booy, of Marion & De Booy, Hardware, bicycles, etc., has sold his interest to his partner.

Osseo, Mich.—Harring & Co. have closed out their Hardware stock and retired from trade.

Oxford, Miss.—William Jenkins, Hardware, bicycles, etc., sold out to the Oxford Mercantile Co., consisting of Benjamin Price, David Carter, Andrew Owen, D. L. Sultan and others.

Petersburg, Mich.—J. Lowe has closed out his Hardware stock and removed to Clare.

Powhatan, Kan.—W. H. McGinnis & Co., Hardware and agricultural implements, reported sold out.

Ridgeway, Mo.—Witt & Johnson, Hardware and harness, now Johnson & Son.

Rome, Ga—George and Pennington Nixon have purchased T. Berry's interest in the Terhune-Berry Hardware Co

Russiaville, Ind.—Moody & Sims, Hardware dealers, are succeeded by Middleton & De Leon.

San Angelo, Tenn.—A. J. Baker, Hardware, succeeded by George Hagelstein.

Smith Centre, Kan.—Barger & Null, Hardware, reported dissolved.

Socorro, N. M.—Frank Howell, Hardware, reported sold out.

Wapakoneta, Ohio.—J. H. Doering & Co., Hardware, reported to have published notice of dissolution.

Waterford N. Y.—William Collins has sold his stock of Hardware in the Howard house block to Frank B. Farnfather & Co., who will remove it to their present place of business, corner of Broad and Third Streets.

Waverly, Mo.—Charles Kraus, Hardware, etc., sold Hardware stock to J. H. Leach.

Record of Improvements.

Admire, Kan.—T. W. Kneeland is repairing his Hardware store.

St. Augustine, Fla.—C. F. Hamblen has just completed the erection of the finest Hardware store in this city. It is a light, airy structure of two floors and storage room in the roof. The ground floor is 90x44 feet and 12 feet in height; the first floor 90x40 feet and 10 feet in height. The whole amount of floor space is 25,000 square feet. The building has been fitted to suit all needs and has 10,000 feet of shelving.

Superior, Wis.—J. F. Bishoff's Hardware store will soon be found in new and handsome quarters, as a new block is to be erected, of which he is to occupy the ground floor.

Traverse City, Mich.—A. Pohoral will move his Hardware store into the Wilhelm, Bartak & Co. building on Front Street. Changes will be made in the front, larger lights put in, the glass front lowered and other improvements made.

Weathersford, Tex.—The firm of Thompson, Lowe & Arrington are moving their stock of Hardware from York Avenue to North Main Street, into the building just vacated by L. F. Wright & Co. They will still retain their present building as an iron storage department.

Business Embarrassments.

Cleveland, Ohio.—L. T. Jones & Co., Hardware dealers at No. 9 Woodland Avenue, have assigned to Miles H. Lockwood; assets and liabilities small.

Dayton, Ohio.—Herman F. Rieck, Hardware dealer, has assigned; assets, $4500.

Fairport, N. Y.—Henry H. Brydges, Hardware dealer, has assigned to Andrew J. Deal.

San Antontis, Tex.—Thomas B. Wren, Hardware merchant, has assigned to George Powell; liabilities, $9000; assets, $10,000.

Sheboygan, Minn.—Henry Muth, dealer in Hardware, has assigned; liabilities, $6000; assets, $15,000.

St. Thomas, Ont.—G. A. McMurty & Co., Hardware merchants, have made an assignment to Philip Buck, of Brantford.

Burglaries in Hardware Stores.

Bellevue, Tex.—Melton & Spivey, $400.
Black Hawk, Col.—Towell-Clark Hardware Co., $150.
Canton, S. D.—O. A Rudolph, $100.
Davis, Ill.—J. S. Afflesbough, cutlery.
Delhi, Ont.—E. Morgan, cutlery.
Evansville, Wis.—F. A. Baker & Co., $200.
Loveland, Col.—Ferguson, Brandt & Co., $200.
Mackinaw, Ill.—George Smith, $60
Milton, Wis.—Crosley & Markson, $100.
Ottawa, Ont.—Butterworth & Co., revolvers.
Toronto, Ohio.—Toronto Hardware Co., cutlery.
Waterbury, Vt.—Batchelder & Robinson, $40
West Liberty, Ohio.—W. S. Waugh, $300.
Weston, Can.—Key's Hardware store, $30.
Woodland, Cal.—Marshall Diggs, $250.
Wortham, Tex.—Banner Bros., $50.
Yates City, Ill.—J. W. Wood, Jr., $75.

Fires in Hardware Stores.

Dows, Iowa.—Fryslie & Longley, Hardware, reported fire loss of $3600; insured for $1900.

Dows, Iowa.—J. L. Deuel & Co., Hardware; reported fire loss of $3000; fully insured.

Esthervill, Iowa.—Chandler & Barron, Hardware; destroyed by fire; loss, $5000; covered by insurance.

Lemoore, Cal.—Robert Moore, Hardware; damaged by fire; loss on building, $1200; insurance, $800; on stock, loss, $2800; insurance, $2000.

Leroy, Minn.—C. A. Young; loss, $3000.

Minot, N. K.—Peterson & Jacobson, Hardware, bicycles, guns, ammunition, etc.; store destroyed by fire; loss, $7000.

Roberts, Ill.—W. P. Landel; loss not stated

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THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearance. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten, blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses to which it may be put are:

Polishing Stoves, Ranges, etc., it has no equal.

Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.

Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.

Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where one used it is "a joy forever."

Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.

Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.
We will quote you low prices and only ask a trial order. Sample by mail 25c. Address

HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street Boston, Mass.

The Riding Horse Tricycle

Greatest novelty of the age.



THE MOST COMPLETE RIDING NOVELTY IN THE WORLD.

-:-A BIG SELLER DURING THE HOLIDAY SEASON.-:-

The harvest time is now. Write at once.

QUADRUPED NOVELTY CO.,

Exclusive Agency Given. CANTON, OHIO.

If an advertisement in a journal like this don't pay, the only reason there can be for it is what you say or fail to say in your ad.—that's all. If not satisfied, write Walter L. Gallup, Writer and Director of Advertising, 112-114 Dearborn Street, Boyce Building, Chicago.

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents.

The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels. ——Star Oilers, 15 cents.——

CUSHMAN & DENISON, 172 9th Ave., N. Y.



SUNOL BICYCLES

HAVE ALL UP TO DATE IMPROVEMENTS, INCLUDING PATENT INTERCHANGEABLE SPROCKETS, REAR ADJUSTMENT NARROW TREAD Fitted with N. G. L. DETACHABLE TIRES.

Write for terms to

The McIntosh-Huntington Co.,

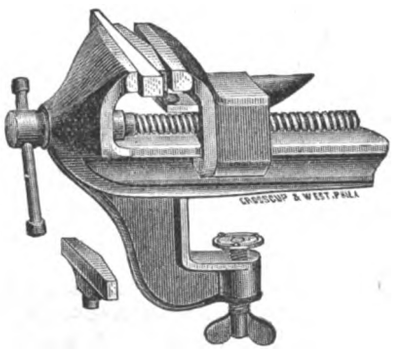
Cleveland, Ohio.

Or to any of the following Jobbers who handle them.

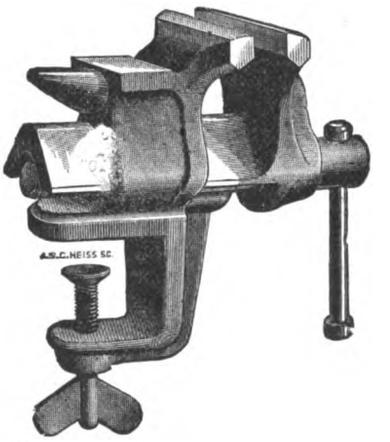
W. B. BELKNAP & Co., LOUISVILLE, KY.	Sole Agents for Southern States.
BIGELOW & DOWSE Co., BOSTON, MASS.	Sole Agents for New England.
FARWELL, OZMUN, KIRK & Co., ST. PAUL, MINN.	Sole Agents for North Western States.
PITTSBURG CYCLE Co, PITTSBURG, PA.	Sole Agents for So. Western Pennsylvania.
RICHARDS & CONOVER HDW. Co. KANSAS CITY, MO.	Sole Agents for Kansas, Oklahoma, Indian Territory and S. W. Missouri.

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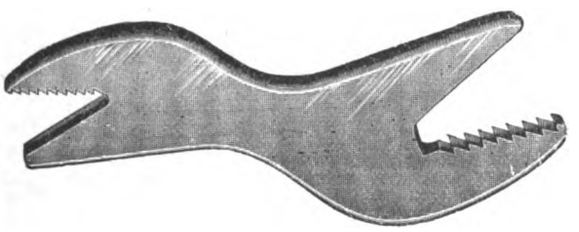
Bonney's and Champion Patent Vises.



Domestic, Nos. 5 and 7.



Champion, No. 112, with Clamp.



Always Ready Wrench.

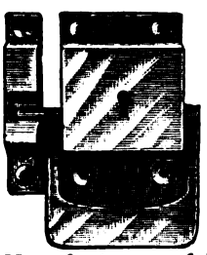
Alligator Wrenches,
Solid Parallel Vises,
Saw-Filers' Vises,
Steel Lathe Dogs.

Write for Catalogues and Prices.

JOHN H. GRAHAM & CO., Gen'l Agents,

P. O. Box 1042. **113 Chambers Street, New York.**

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA, PA.

Manufacturer of Refrigerator and Ice House Fasteners, Hinges and Faucets.

Power Presses, Foot Presses, Screw Presses,

HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,
Waterbury, Connecticut, U. S. A.

The man who had a little piece of lawn in front of his house about as big as a greenback, and who took care of it as if it were a baby, was pottering around it the other morning with a pair of scissors and a razor, when a neighbor came by and hung his chin over the fence.

"Why don't you have a lawn mower?" he asked, after contemplating the scene a minute or two.

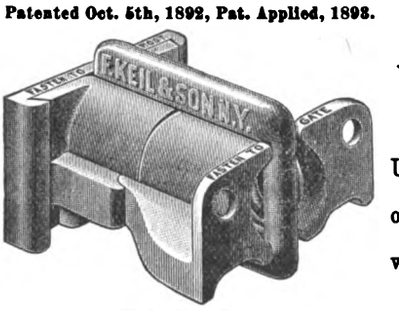
"I don't want a lawn mower," replied the landscape gardener; "what I want is more lawn," and the neighbor hurried away before the house should fall upon him and crush him still more.
—*Detroit Free Press.*

THE SUPERIOR SPRING HINGE FOR HOUSE GATES.

—Surpasses all known gate hinges ever placed on the market.—

Patented Oct. 5th, 1892, Pat. Applied, 1893.

Tested Compound Springs, Rustless Finish.



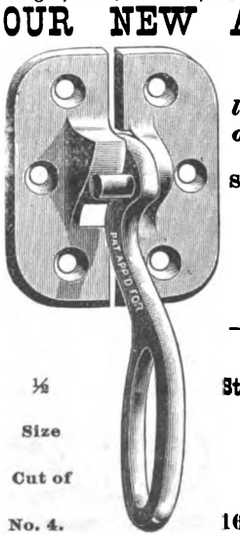
WEATHER PROOF. Use 3 hinges on heavy or wide gates.

Half Size Cut.

A True gate hinge; swings both ways, does not raise the gate as ordinary hinges do, but opens level. Is self-shutting and always stops at the centre. Has no parts to get loose or out of place, and is easily applied. When adjusting tire bolts or wood screws may be used for both post and gate or either, thus covering all requirements. Any catch may be used with these hinges; none, however, are necessary.

OUR NEW AUTOMATIC FASTENER.

Patent Applied for.



½ Size Cut of No. 4.

Locks as easy as an ordinary lock, wedges the door airtight and opens it without effort.

Sizes.	Per Doz.	Pol. Brass.	Nickel Plated.
1	"	$24.00	$25.20
2	"	18.00	19.00
3	"	10.00	10.50
*4	"	7.00	7.30
5	"	5.50	5.80
6	"	4.00	4.25

Best size indicated by a star. Discount 40%.

—Send your quantity orders for prices.—

Made for raised doors on demand.

State hand wanted. Cut shows "Right Hand."

Keil and Condit Fasteners at Lowest Prices.

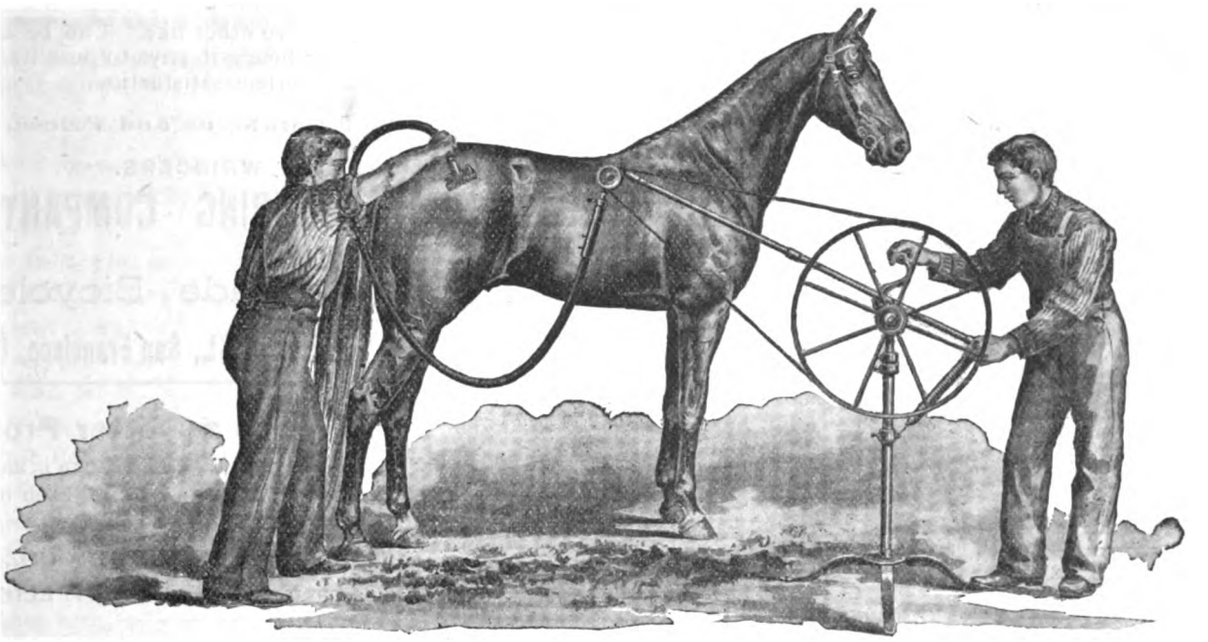
FRANCIS KEIL & SON,
163rd St., West of Third Ave., New York.

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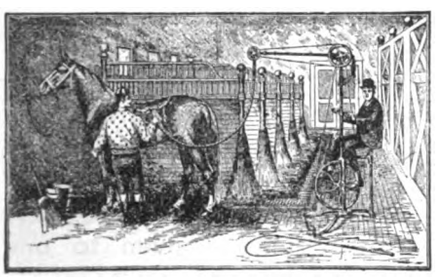
HEADQUARTERS FOR "PRIZE WINNER" HORSE CLIPPERS.

Hand Bicycle, Electric and Steam Power.

MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



Model D with Spring Counterbalance, in place of heavy weight. Used when traveling to lessen weight carried.



CYCLONE BICYCLE.

A boy can run it with ease.

MODEL E.

Shown only in Catalogue.

Featherweight Clipper

The Lightest machine made.

Steel and nickel plated wheels.

Beautifully japanned in Black or Red.

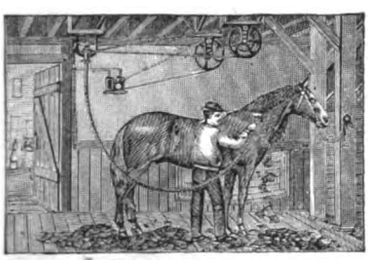
ALL THE RAGE.

Put up in traveling case with oil (one gallon), oiler and wrench.

PRICE, ONLY $35.00.

GUARANTEED PERFECT.

Catalogue beautifully illustrated 32 pages, sent free to all upon application.

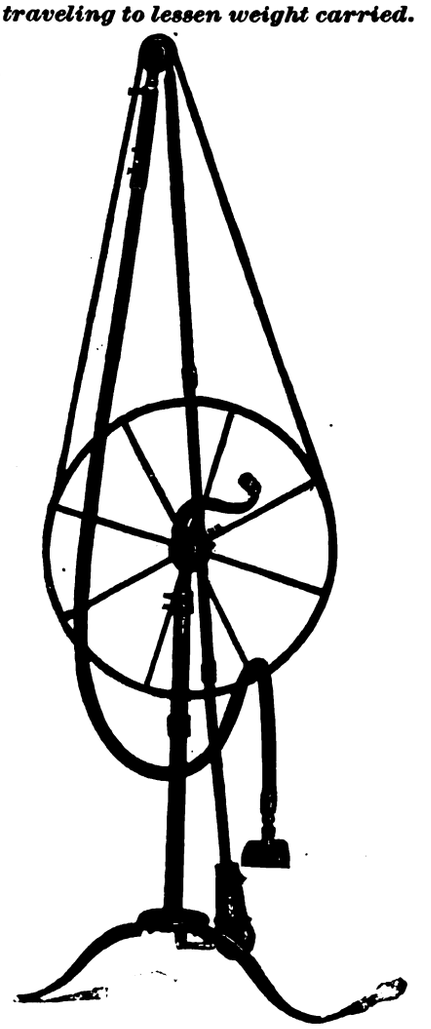


POWER YOKE MACHINE.

Very Simple. Little of it.

Can be run by any kind of power.

Liberal discount to the trade.



MODEL D.

CHAMPION WORLD'S FAIR PRIZE WINNER.

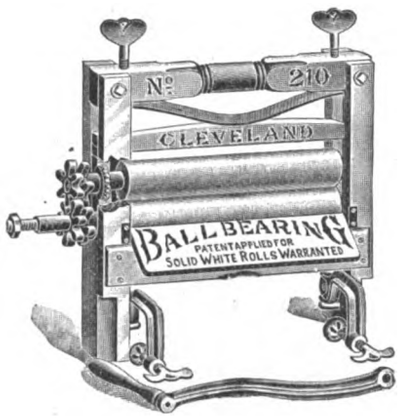
Steel wheels, handsomely japanned and nickel plated. Price, $50.00.

Gillette Clipping Machine Co.,

201 East 23d Street, New York City.

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A Good Profit to Dealers.



A Ball Bearing Wringer
THE CLEVELAND.

Runs like a bicycle. Very easy to operate. No other like. Can be sold at higher price and better profit than others; hence it pays to push it. It has been on market over year and is giving perfect satisfaction.

Send for Sample or write for Catalogue and Prices.

ALSO ALL OTHER KINDS OF WRINGERS.

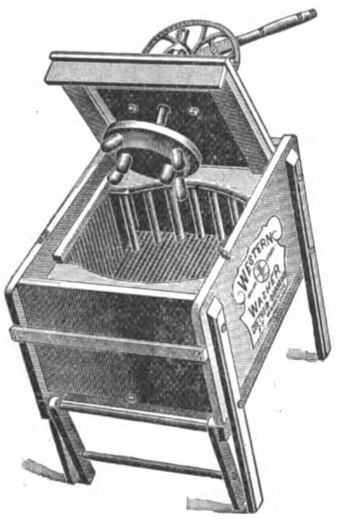
THE PEERLESS MANUFACTURING COMPANY,

CLEVELAND OHIO.

We also make High Grade Bicycles.

Osgood & Howell, Pacific Coast Agents, 132 Market St., San Francisco, Cal.

THE WESTERN
Standard Washer.



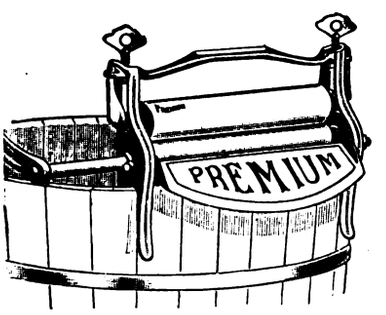
OUR SPECIAL CONSTRUCTION,
SUPERIOR WORKMANSHIP,
BEAUTY OF FINISH
—AND—
RECENT PATENTED IMPROVEMENTS
Cause thinking dealers to investigate this Washer, with but one verdict—
IT IS PERFECTION.
Write for bottom prices.

DIETHER & BARROWS FORT WAYNE IND

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.



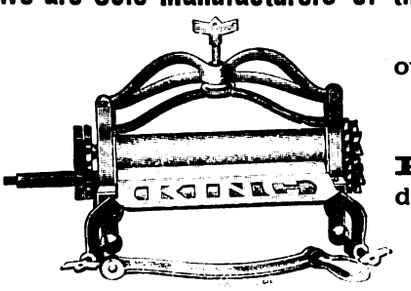
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



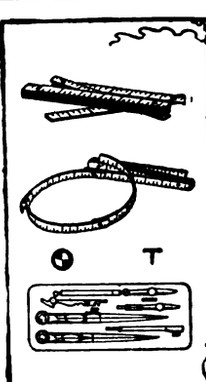
We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

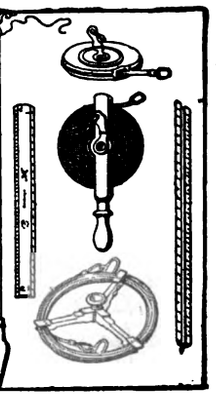
THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.



KEUFFEL & ESSER CO. NEW YORK.
BRANCH: CHICAGO.
FACTORIES: HOBOKEN, N.J.

MANUFACTURERS OF EXCELSIOR MEASURING TAPES.
SUPERIOR QUALITY, LATEST IMPROVED. GREATEST VARIETY
STEEL · METALLIC · LINEN · POCKET TAPES.
EXCELSIOR BAND CHAINS FOR SURVEYORS; LAND CHAINS, &c.
K&E Co FOLDING POCKET RULES.
NO WARPING, NO SHRINKING, NO ILLEGIBLE JOINTS, NO BULK.
2 3.4 5.6 8 FOOT. ALSO WITH PATENT SPRINGS.
FLAT & TRIANGULAR BOXWOOD SCALES, BEST MADE.
PLUMB BOBS, THUMB TACKS, DRAWING INSTRUMENTS.
PRICE LISTS & QUOTATIONS PROMPLY SENT.



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DO YOU HANDLE

ELECTRICAL SUPPLIES?

Wide awake merchants are reaping big profits from this line.

Note our Trade Price List.

Carbon Batteries, each	$ .35
Le Clanche Batteries, each	.35
Dry Batteries, each	.35
Wood Box Bells, 3 in., each	.45
Wood Box Bells, 4 in., each	.65
Buzzers, each	.55
Battery Zincs, per 100	3.00
Sal-Ammoniac, per lb	.09
Wood Push Buttons, each	.07
Bronze Push Buttons, round, each	.15
Bronze Push Buttons, 2x4 in. (square)	.35
Door Alarms, each	.12
Window Alarms, each	.12
Switches—Point, each	.12
Floor Pushes, each	.30
Electric Matting, per foot	.18
Annunciator Wire, No. 18, per lb	.22
Automatic Burners, each	3 00
Pendant Burners, each	.60
Electric Clock Outfits, each	2.75

G. A. SOPPLEE & CO.,

265, 267 N. 9th St., Philadelphia, Pa.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

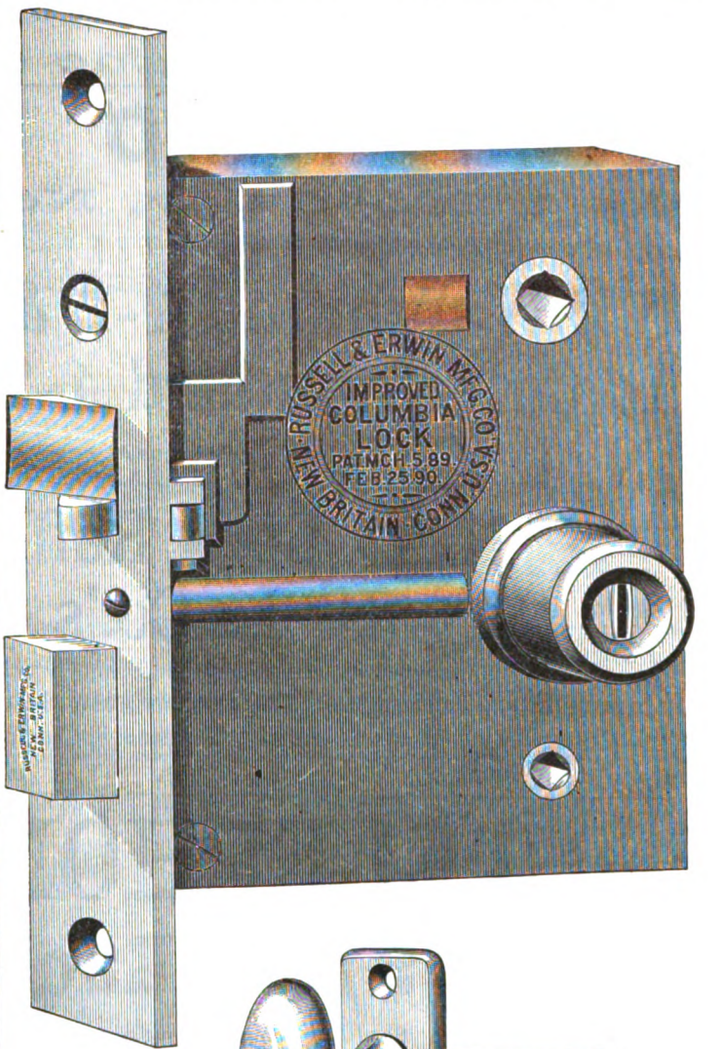
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS·

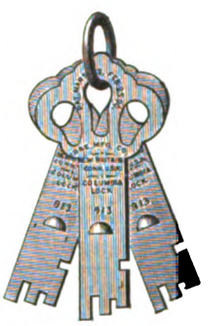
Russell & Erwin Manufacturing Co.,

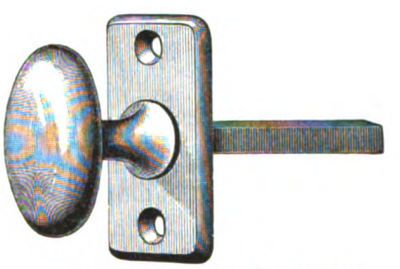
New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.







Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.



-: TELEPHONES :-

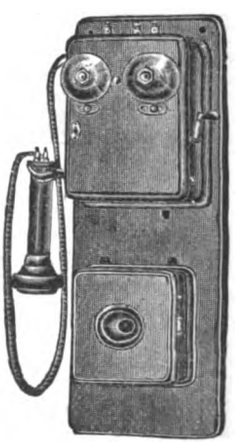
$1.25 Each.

Telephones for long and short lines, Factory and Exchange use.

General Electric Equipment Supplies.

Stanley & Patterson,

32 & 34 Frankfort Street. NEW YORK.



ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1901.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

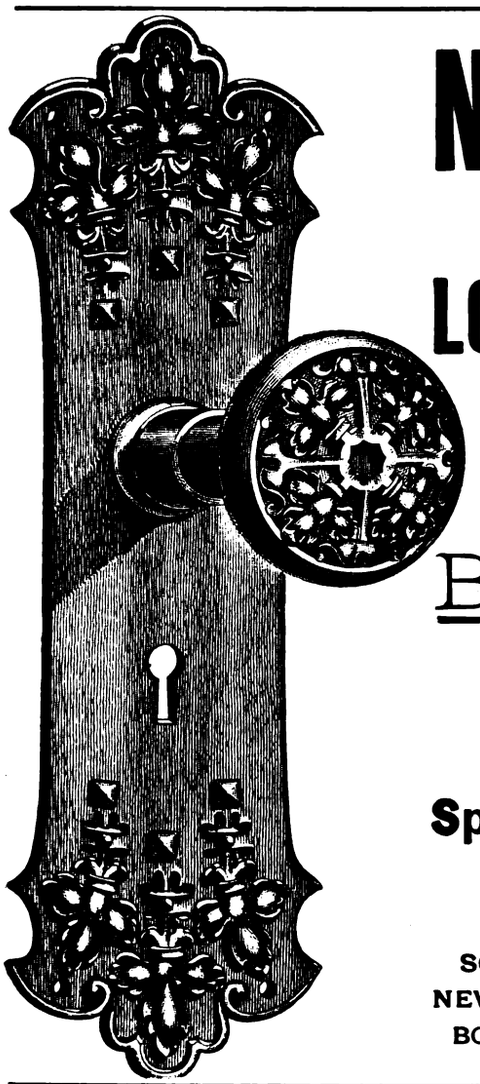
MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
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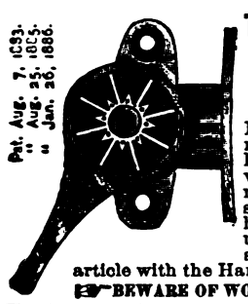
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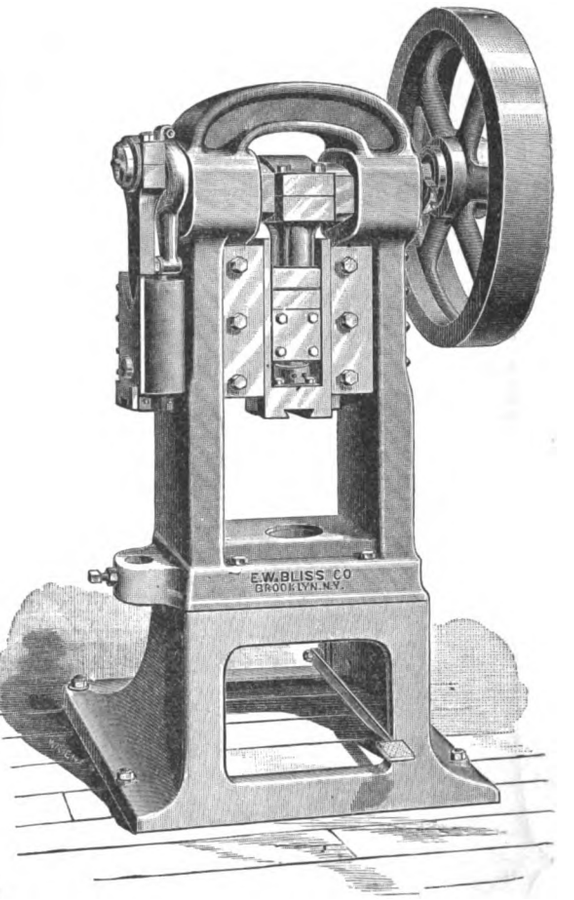
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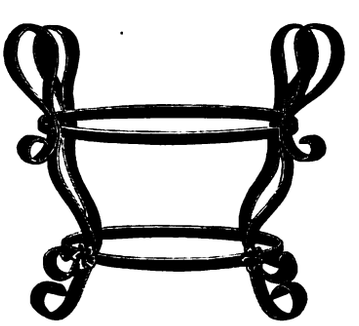


Fig. 1.—Shows Wrought Iron Stand in which Fount rests.



Fig. 2.—Showing Fount with Ratchet Wick Movement.



Fig. 3.—Showing body of stove removed from Fount.

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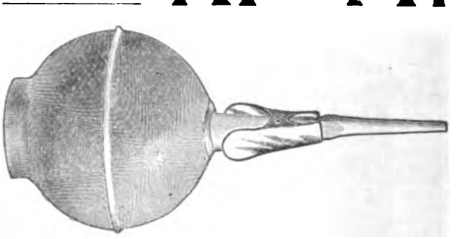
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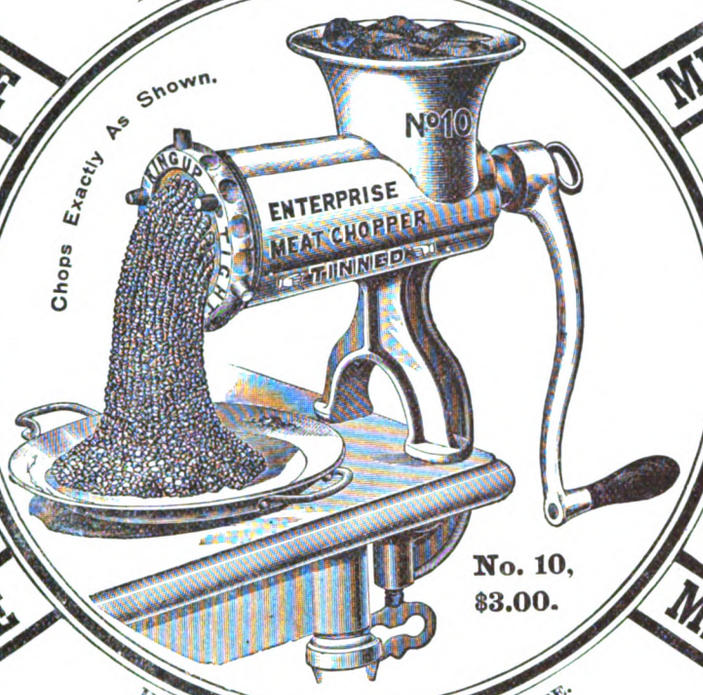
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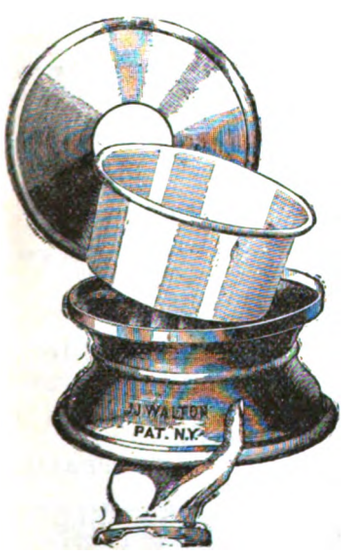
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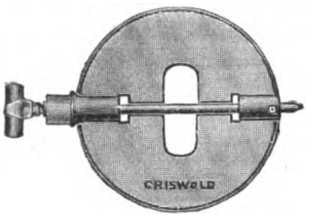
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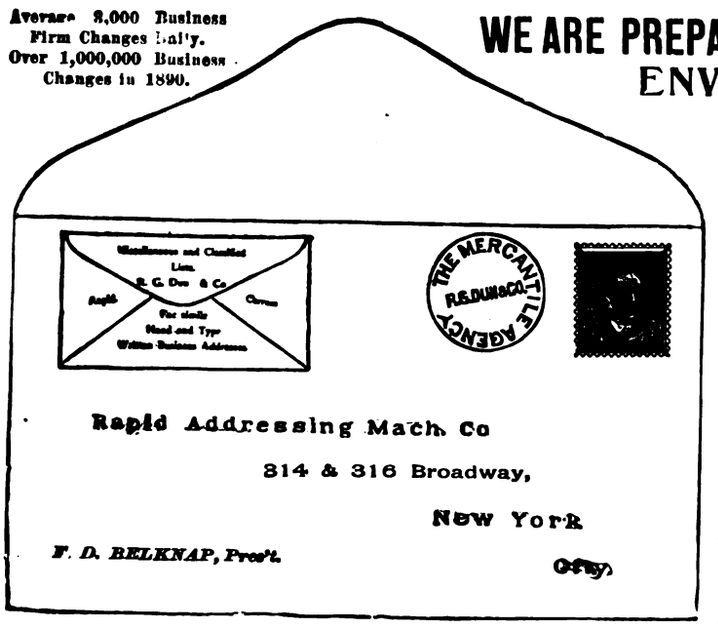
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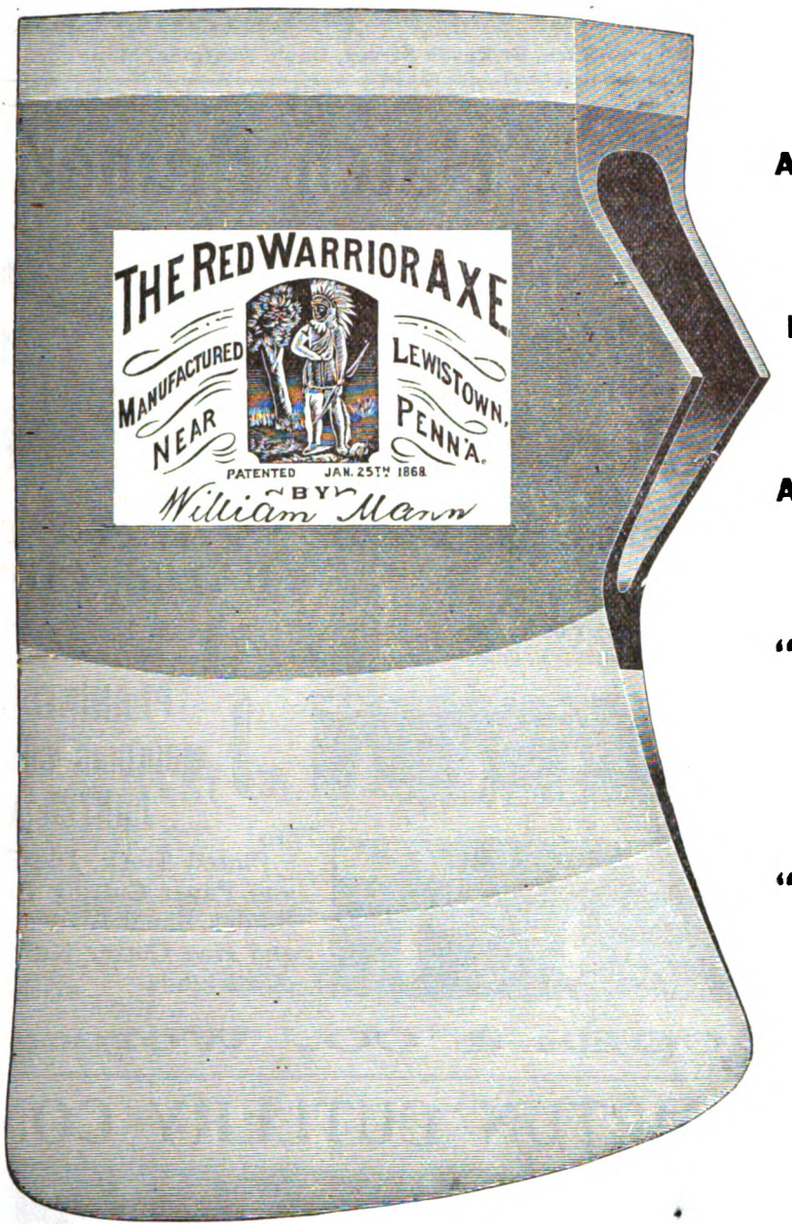
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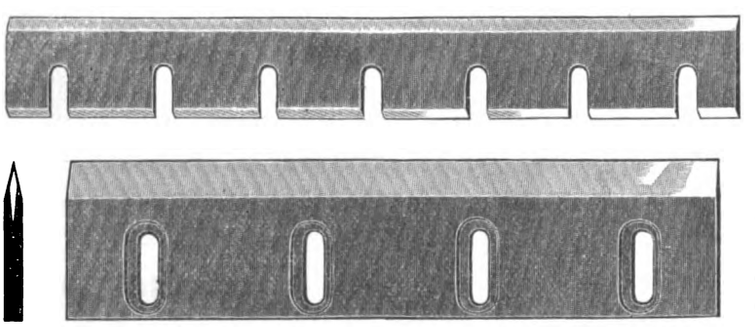
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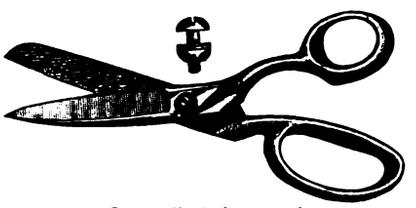


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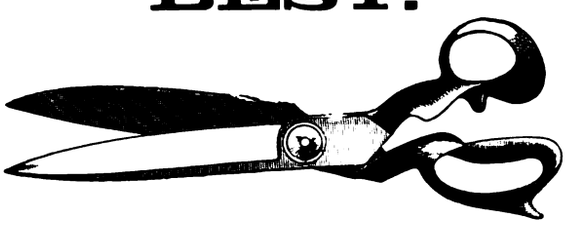
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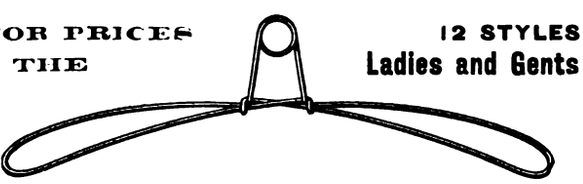


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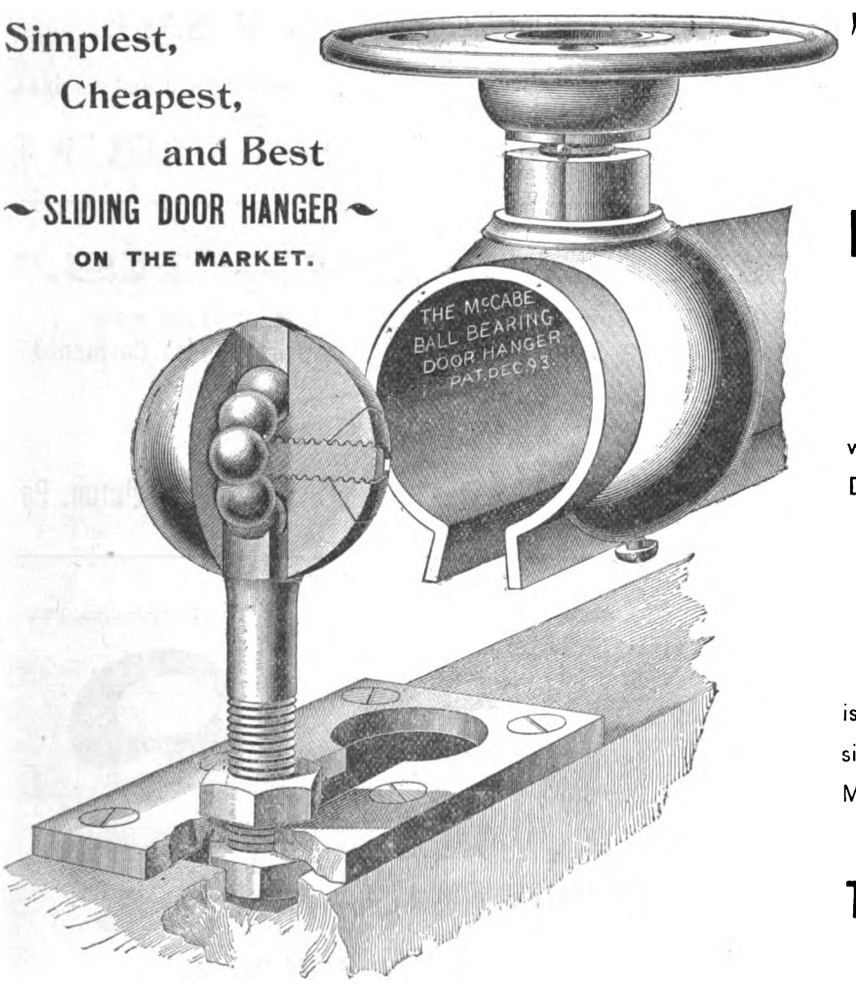


W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

Simplest, Cheapest, and Best SLIDING DOOR HANGER ON THE MARKET.



The McCabe Ball Bearing Tubular Door Hanger

IS THE ONLY

Ball Bearing Door Hanger

ON THE MARKET.

It is also the only Hanger having an ADJUSTABLE TRACK, which can be regulated without removing the Door or Casing.

The Hanger is Entirely of Steel.

Send for our Catalogue and see that it is by far the best Hanger for inside or outside use. For moving Parlor, Barn, Car, Fire, Mill, or Elevator Doors is unsurpassed.

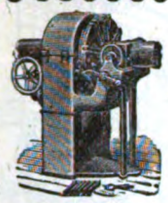
Manufactured by

The McCabe Manufacturing Co.

256 & 257 BROADWAY, NEW YORK.

For Step Ladder Service the Hanger is Without a Peer.

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PIPE THREADING and CUTTING OFF MACHINES.

STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

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For Real Good All Around Work

No other Nail Puller excels in efficiency or durability our

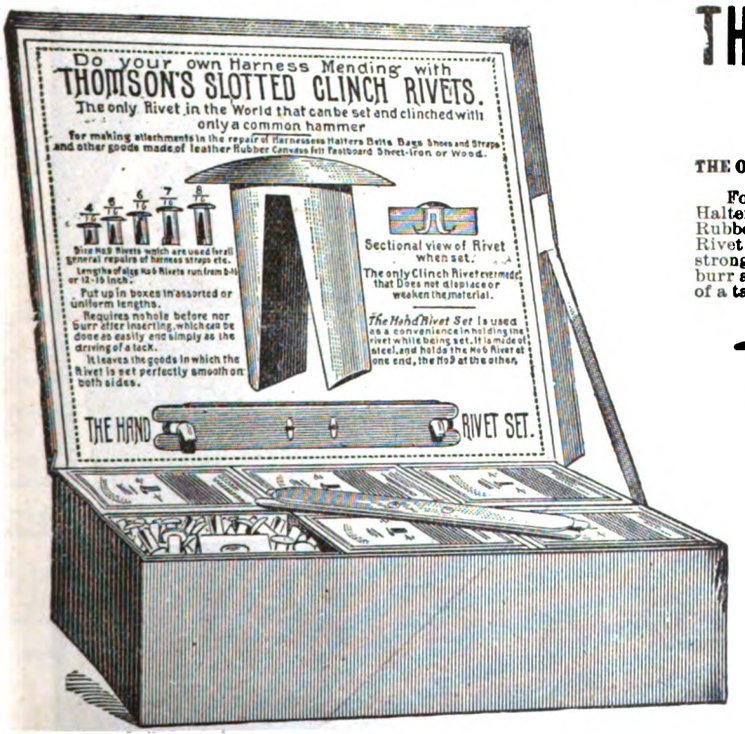
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Best steel—tempered by new process. Jaws drop forged and all parts properly adjusted. No Springs. Send for prices.

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Hartford, Conn.

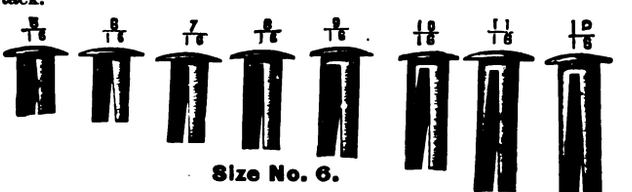




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THE ONLY RIVET IN THE WORLD THAT CAN BE SET WITHOUT A MACHINE.

For making attachments in the manufacture or repair of Harnesses, Halters, Belts, Bags, Shoes and Straps, and other goods made of Leather, Rubber, Canvas, Felt, Pasteboard, Sheet Iron or Wood. The only Clinch Rivet that does not displace or weaken the material. It is tough and very strong, being made from solid Annealed Steel. Requires no hole before, nor burr after inserting, which can be done as easily and simply as the driving of a tack.



Size No. 6.

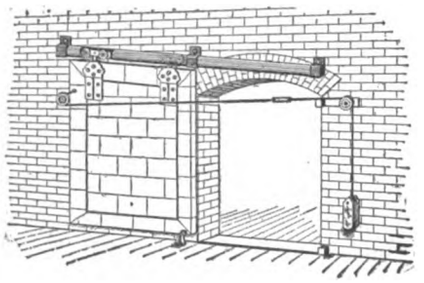


Size No. 9.

The above cuts of Rivets are each actual size and length. Neatly put up in Cartons of 12 Boxes, each box containing 100 Rivets. Japanned or Coppered.

Goods can be had from all the large Hardware and Saddlery Hardware Jobbers in the country.

JUDSON L. THOMSON MFG. CO., Waltham, Mass.



Parlor Door Hangers

The Adjustment is in the Track and not in th Hanger, as in other fixtures. Track can be taken ou of pocket and replaced without defacing walls afte house is finished.

Highest Award at World's Fair, 1893,

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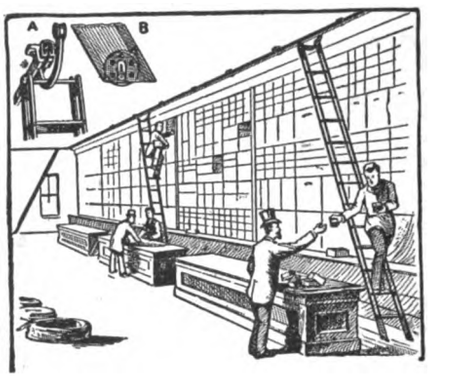
Parlor, Barn and Fire Door Hanger.

SEND FOR CATALOGUE.

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We make four styles of ROLLING LADDERS to reach shelving of any height.





You can get everything in the line of Sheet Metal Goods from us.

PRICES WAY DOWN.

STEEL ROOFING

Corrugated Iron,

Galvanized Steel Eave Trough,

Corrugated Expanding Conductor,

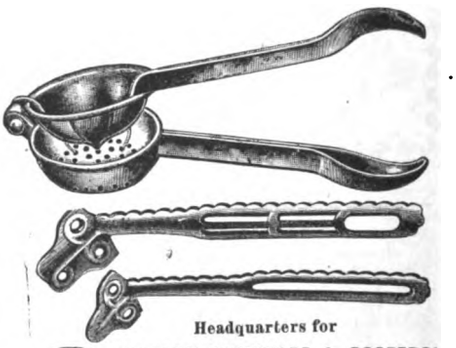
Galvanized Cornice,

Ornamental Crestings, Finials, Etc.

Down! Down! go Prices. WRITE US QUICK.

J. H. Eller & Co.,

Office, 86 E. Fifth St., Canton, Ohio.



Headquarters for

TINNERS' HARDWARE & ROOFERS' SUPPLIES.

Largest stock, greatest variety. Prices lower than ever.

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94 CHAMBERS STREET, NEW YORK.

THE CHADBORN & COLDWELL MANUFACTURING CO.

LAWN MOWERS.

O. AMES & SONS'

Shovels, Spades, Scoops.

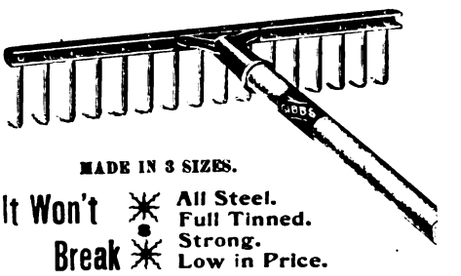
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POULTRY NETTING. GREEN WIRE CLOTH.

"IDEAL" GARDEN RAKE.



MADE IN 3 SIZES.

It Won't Break — All Steel. Full Tinned. Strong. Low in Price.

A more practical and durable RAKE cannot be found. Finely finished and very attractive.

——Write us.——

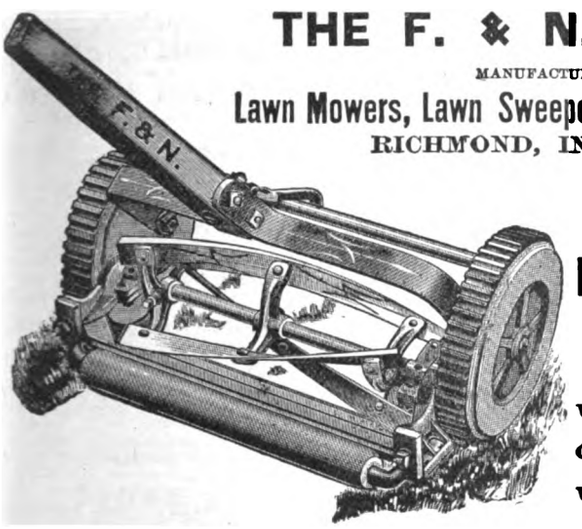
GIBBS MFG. CO., Canton, Ohio.

THE F. & N. MFG. CO.,

MANUFACTURERS OF

Lawn Mowers, Lawn Sweepers and Grass Catchers,

RICHMOND, IND., U. S. A.



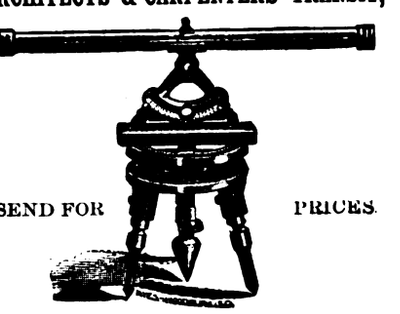
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SEND FOR PRICES.

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25 MAIN STREET, ATHOL, MASS.

Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

COLDWELL LAWN MOWER COMPANY.

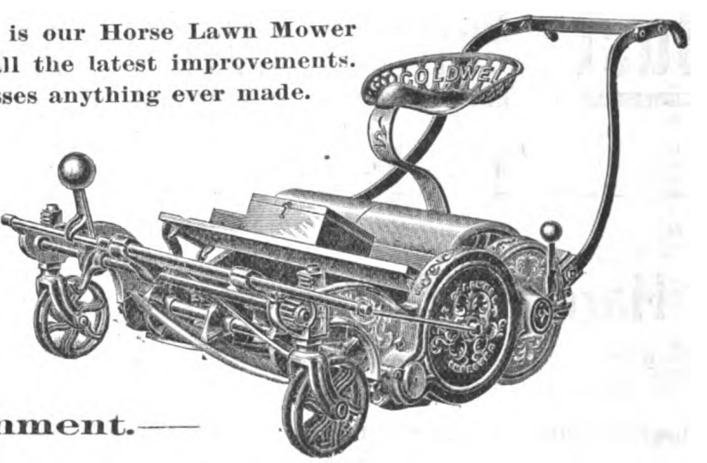
THE BEST IN THE WORLD. NEWBURGH, N. Y.

This is our Mower that was awarded the HIGHEST PREMIUM and attracted so much attention at Chicago for its lightness of draft, durability and quality of work.



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This is our Horse Lawn Mower with all the latest improvements. Surpasses anything ever made.



——Adopted by the Government.——

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."



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The American Hardware Trades Reference Book and Purchasing Guide.

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HARDWARE of all KINDS, TOOLS of all kinds, IRON & STEEL of every kind, HOUSEFURNISHING GOODS of every Description, STOVES, RANGES, HEATERS, and all kinds of COOKING APPARATUS and UTENSILS, AGRICULTURAL IMPLEMENTS, MACHINES and TOOLS of every Description, and all other articles handled by these trades.

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Manufacturers given any number of headings in this book free of charge. Advertisements at reasonable rates.

Just What Every Manufacturer Wants!

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OF THE

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The book contains, in the most condensed and convenient form possible, the Names and Ratings of all firms in the following Trades in the United States and Canada:

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DEALERS IN SPORTING GOODS, BICYCLES, FIREARMS, &c. **STOVE DEALERS.**

Certain marks are printed after each name, showing the line or lines of goods handled.

The work is complete, condensed and convenient, and will be found especially desirable in sending circulars, on account of the street numbers. The ratings enable the user to select names of any specified rating or over that may be desired.

In cities the lists are classified—Hardware dealers all in one condensed list, stove dealers in another, etc. In most cases, in the Hardware list, we specify the special kind of Hardware handled, as shelf Hardware, cutlery, etc.

THOMAS PUBLISHING COMPANY,

PHILADELPHIA, PA.

New York City Agent, C. J. LOMAS, 734 Greenwich Street, New York.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.. ...$3.50 2%
Primed Shells and Bull'ts...15&5&2%
B. B. Caps, Round Ball..$1.75 25&2%
B.B. Caps, Con. Ball, Swgd...$2.00 2%

PRIMERS—
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All other Primers $1.20.....7½&2%

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First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $10 ₩ M.....20&10&2%
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Brass Shot Shells, Club, Rival and Climax.. .....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
B.E., 11 up.65c..B.E., 9&10...52c
B.E., 8.....96c..B.E., 7.....$1.10
P.E., 11 up.1.15..P.E., 9&10...1.50
P.E., 8....1.70..P.E., 7.....1.80
} 20&2%

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Drop Shot, sizes smaller than 8, 5-₤ bags, ₩ bag.....$ .35
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Buck and Chilled Shot, 5 ₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$1.75
Dust Shot, 5-₤ bags, ₩ bag ....$ .45

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6¼ ₤ 1.10
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12½ ₤ 2.40
6¼ ₤ 1.35
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Ducking, kegs.....6¼ ₤ 3.00
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In cases of 25 each.
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Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
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Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
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Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 2.25
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Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤..... 1.90
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Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.40
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Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%

Bit Holders—

Extension:
Millers Falls Barber's ₩ doz. $15 50%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic.....₩ doz. $3....33⅓%
Excelsior..₩ doz. $10.00....50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $2.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9 00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list), 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list 30%
Wr't Shutter, all iron, Stanley's. 30%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &c.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list. .....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890.....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.....80%
Eagle Phila., list Oct. 16, '84.....80%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—

"Easy" Bolt Clipper, No 1, $5.00; No 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.	
Douglass'.....	$5.50	$6.75.....	50%
Snell's. Rice's Pat.	5.50	6.75..	40& 10&10%
Jennings'.....	5.50	6.75.	45@ 45&10%
Other Machines....	2.25	2.50.....	net
Phillips' Patent with Augers.....	7.00	7.50	....
Millers Falls.....		7.50	25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 66.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%

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Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 119, 119.....70@70&5%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.).....50@55&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₱ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....35&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....20&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—

See Knives.

Butter and Cheese Tryers—

Ordinary.....25&10%

Butt Gauges—

Stanley's.....20&10&10%

Butts—

BRASS—
Wrought Brass.....80&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....71%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c.....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....66⅔%

Calf Weaners—

Hill's No. 1, $3.00; No. 2, $2.50

Calipers—

See Compasses.

Can Openers—

Messenger's Comet..₱ doz $3.00, 25%
American.....₱ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 5, Iron Handle. ₱ gr. $6....45@50%
Eureka.....₱ doz. $2.50.....10%
Sardine Scissors...₱ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₱ doz. $5.00....25%
Star.....₱ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $3.50, 70%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₱ gr $9.00
Goodell's Acme, ₱ gr. $8.00; ₱ doz.75c
Universal, ₱ doz. $3.00.....40%
Domestic, ₱ doz. $2.50.....50%
Champion, ₱ doz. $2.00.....6%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₱ gro $7.00.....50%
Kohler's Cyclone.....₱ doz. 75c
Kohler's Lightning.....₱ doz. 90c
Moore's.....70%

Caps—

See Ammunition.

Cards—

Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—

Cast Steel, Polished.....₱ doz. $2.25
Cast Iron, Steel Points. ₱ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%

Cartridges—

See Ammunition.

Casters—

Bed, Plate, Shallow Socket..... } Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%

COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

Trace, 6½-10-3, ₱ pair, $1.05.....60&10%
Trace, 6¼-10-3, ₱ pair 92c.....60%
Trace, 7-10-2, ₱ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₱ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—

See Lines.

Chisels—

SOCKET FRAMING AND FIRMER—
P. S. & W., New Haven, Witherby, Mix..... } 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—

Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....30&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$3.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—

Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—

List.....50%

Coffee Mills—

Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%

Coopers' Tools—

Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40@40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓&5
Howe Bros. & Hulbert.....35%
Samson.....₱ doz $10.00

Corn Huskers—

Blair's Adjustable.....₱ gr $8.00
Blair's Adjustable Clipper ₱ gr 7.00
Hubbard's Solid Steel.....₱ gr 4.50
Perkins Boss:
Styles A and B, ₱ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₱ gro. $8.00; R, ₱ gro. $20.00.
Wrist Supporters.....₱ doz. 75c
Mittens.....₱ doz. $1.50
Ashtabula.....₱ gro. $2.50
Brinkerhoffs.....₱ gro. $15.00
Buckeye.....₱ gro. $4.00
Cleveland.....₱ gro. $7.50
Johnson's.....₱ gro. $6.50
Universal.....₱ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₱ gro. $3.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.81
Solid.....₱ gro. 7.50

Curry Combs—

Spring.....40%
Rubber.....25%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₱ doz. 2.00
F. E. Kohler & Co.'s Humane ₱ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—

See Meat Cutters.

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.85, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dividers—

See Compasses.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—

Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00

SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—
Stanley & Patterson, list Jan. 1893.....33⅓%

Door Springs—

Torrey's Rod, regular size ₱ doz $1.40
Bee Rod ₱ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₱ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby, Jennings & Griffin, P. S. & W., Mix, New Haven..... } ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....30%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel

Challenge.....30%

Drills and Drill Stocks—

Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....35%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....30@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....30@25%
Ratchet, Moore's Triple Action.35@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—

Dover.....₱ doz $3.00..60%
National, ₱ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₱ gro $17.00@$18.00
Duplex (Standard Co.)....₱ doz $1.25
Rival (Standard Co.).....₱ doz $1.00
Duplex Extra Heavy (Standard Co.) ₱ doz $3.50
Triumph (T. & S. Mfg. Co.), ₱ gro $10.50@11.00
Ayre's Spiral.....₱ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers

Morgan Steam, No. 3. ₱ doz. $4.20 No. 5. $6.00.....40%

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Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF & FF.
Kegs, ℔ lb.	4½c	5c	2½c
½ kegs, ℔ lb.	4½c	5½c	2½c
¼ kegs, ℔ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....65%

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
LXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. Western Pattern, Cork Lined.....50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00.....20%
Lane's ℔ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—

DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagl.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'ad C't & S 50 10%

IMPORTED—
Moss & Gamble, List April 1, 1883. 15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Reed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—

Knox.....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....25&5%
Crown Fluters.....30%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ℔ doz.....$21.00
Keyless M. & I. Co. ℔ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co.....25%
Henis.....℔ doz $3.50
Shepard's Queen City.....40%

Fry Pans—

Standard List:

No.	0	1	2	3	4
℔ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
℔ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—

Bolg'ano's New Hot Air Perfection Gas Iron.....℔ doz. $18.00

Gauges—

Marking, Mortise, &c.....20&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....30&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ℔ doz $3.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ℔ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....℔ doz. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ½ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.....
Jute Horse and Cattle Ties.....
33⅓%
Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co.....
Fayette R. Plumb.....
40&10@50&10%
C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50 & 1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ℔ doz. Nos. 1, $3; 2, $4.....33⅓
Steel Face Shoe.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓& 10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb....℔ lb 45c
3 to 5 lb.....℔ lb 35c
Over 5 lb.....℔ lb 30c
75@75&10%
Wilkinson's Smiths...10½c@11c℔ lb

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as.. ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 8.00
30@40%
Worcester Leather Cap'd Chisel.25%
File, assorted.....℔ gr 2.75
Anger, assorted....℔ gr 5.00
Auger, large.....℔ gr 7.00
30@
30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's.....℔ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....60&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ℔ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10@25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20&10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—

Lightning. Mfrs' price ℔ doz $18.00, 45%
Gem.....℔ doz $10
Wadsworth's.....40%
Carter's Needle..℔ doz $11.50@$13.00
Heath's.....℔ doz $18.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....℔ doz $10.00

Hinges—

BOUGHT IRON HINGES—
Strap and T.....60&10&5%
Corrugated Strap and T..50&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap.
6 to 12 in., ℔ lb 9-10c
14 to 20 in., ℔ lb 4-10c
22 to 36 in., ℔ lb 9-10c
Heavy Welded Hood...
6 to 12 in., ℔ lb 9-10c
14 to 20 in., ℔ lb 4-10c
22 to 36 in., ℔ lb 9-10c
Screw Hook and Eye.
½ in., ℔ doz $1.50
⅝ in., ℔ doz $2.45
¾ in., ℔ doz $3.80
10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 lb $5.75, over 14 in., ℔ 100 lb.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....25&10%
Empire and Crown.....20%
Stover Ideal ℔ gro.....$13.00
New Idea ℔ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...25@25&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western.....℔ doz $4.40, 60%
N. E.....℔ doz $7.00, 55%
N. E. Reversible, ℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....℔ doz $5.00, 55&10%
Automatic.....℔ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....80%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2¼, 3.....75&10&5%

Hoes—

HANDLED—
Garden, Mortar, &c.....80%
Planter's Cotton, &c.....80%
Warren Hoe.....65%
Magic.....℔ doz $4.00
Dunlap's:
Boys' hoes.....℔ doz $3.00, 80%
Ladies' hoes.....℔ doz $3.00, 80%
Scuffle.....80%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ℔ doz $1.25
Hill's Tongs.....℔ doz $3.00
Hill's Rings...℔ doz bxs $2.15@$1.00
Perfect Rings..℔ doz bxs $1.60@$1.70
Perfect Ringers...℔ doz $2.15@$2.25
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers.....℔ doz $2.00
Champion Rings, Double, ℔ doz $2.25
Brown's Ringers.....℔ doz $2.00
Brown's Rings.....℔ doz $1.25@$1.30

Hollow Ware—

IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....[illegible]
Ironclad Enameled-Ware, 33⅓& 10%
Rustless Hollow-Ware.....40@40&5%
Triumph Broilers.....50%

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SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton
Meriden Britannia Co. 40&5%
Simpson, Hall, Miller & Co.
Rogers & Brother
Hartford Silver-Plate Co. 40&5&5
William Rogers Mfg. Co.

Hooks—

CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading 60&10&10%
Clothes Line, Sargent's list
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Crea't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	....15%
American	9¾	9¾	9¾	9¾	9¾	....net
Ausable	23c	23c	23c	24c	25c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	23c	23c	23c	24c	23c.	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c	....25%
Northw't'n.	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	23c	25c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	....35%
Western	23c	21c	20c	19c	18c	....50%
Empire Bronsed						18@14c ₩ ℔

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles -

SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen..	$14.40	$18.00	$20.64	$23.40
Each...	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen..	$27.00	$32.40	$41.58	$49.50
Each...	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen..	$65.34	$79.20	$108.90	$136.62
Each...	5.45	6.60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05

Quarts.	12	16	18
Inches.	12x9	13x9½	14x10
Dozen..	$14.40	$18.00	$20.64
Each...	1.20	1.50	1.72
Quarts.	20	24	32
Inches.	15x10½	16x11	17x11½
Dozen..	$23.40	$27.00	$32.40
Each...	1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Furniture Plain....75c. gro. inch.10%
Furniture, Wood Screws.....25&10%
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lanterns—

TUBULAR—
Reg. No. 0, with Guard...₩ doz. $3.50
O. K., No. 0, with Guard. ₩ doz. $3.75
Side Lift (New), No. 0, with Guard ₩ doz. $4.00
Square Lift, No. 0, with Guard ₩ doz. $4.25
Anti-Friction (New), No. 0, with Guard.....₩ doz. $4.50
Best Square Lift, No 0, with Guard ₩ doz. $5.00
Best Round Lift, No. 0, with Guard ₩ doz. $5.50
Copper Plated Square Lift, No. 0, with Guard.....₩ doz. $5.50
Iron Clad Square Lift, No. 0, with Guard.....₩ doz. $6.00
Reflector Lift Wire, with Guard ₩ doz. $11.00
Side or Dash Lamp.....₩ doz. $6.50

MISCELLANEOUS—
Police, Medium.....₩ doz. $3.60
Large.....₩ doz. $3.90

CARRIAGE LAMPS—
C. Cowles & Co. list.....25&5%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00: 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00: No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—

DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 109 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Blaymaker, Barry & Co.
No. 1010 line.....90&40%
No. 41 line.....50%
No. 61 line.....60%
No. 21 line.....80%
No. 427 line.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&5%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list, 50& 10&10%
Porcelain Head, Comb'n list, 40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—

SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra. ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pike's Washita:
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¼ to 2x⅝ to ¾ at back, ⅛ to 5-16 edge ₩ ℔ .80
No. 1, (same sizes as above) " .70
No. 2, " " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔.....70
Discount 33⅓%.

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Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2 " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓&.
Pike's Arkansas:
No. 1, 8 to 5½x1¾ to 2x¾ to 1, ₩ lb..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb..... 3.50
No. 1, 8 to 12x1¾ to 2½x¾ to 1¼, ₩ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ lb..... 4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓&.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .06
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1⅛ to 2x⅛ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .30
Plain Slips, about 6x1⅛ to 2x⅛ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1⅛ to 2x⅛ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .06
Small Axe, about 3x2x½ to 1 ₩ lb..... .10
Special Axe, 2½x1½x½ ₩ lb... .18
Pike's Sandstones:
Small, 3x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 3 to 8½x2x1¼, weight about 1½ lb, ₩ lb..... .05
Large, 8½ to 9x2½x2, weight about 3 lb, ₩ lb..... .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston" 60%
" Excelsior" Self-Vulcanizing, per lb 70c.....40%
Boston "Phœnix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...25%
N. Y. B. & P. Co., 1846-Para....40&10%
N. Y. B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard .....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute .....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin .....₩ doz 5.25
Bonanza .....₩ doz 5.00
Daisy .....₩ doz 4.00
Dandy .....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite .....₩ doz 5.00
Ideal .....₩ doz 4.00
Improved Bay State.₩ dz..$27@30.00
Little Star.....₩ doz 4.50
Monarch .....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection .....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72 .....₩ doz 4.25
78 .....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....50%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's .....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to $
Buck Bros.....30%
Auburn "Thistle"
Ohio
Sandusky } 25%
S. & L. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....20%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stube'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
Button Pattern, 8 in. $7.50; 10 in. $10.50.
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Post Hole and Tree Augers and Diggers—
Samson Post Hole Digger, ₩ doz. $36.00, 25&5%
Fletcher Post Hole Augers, ₩ doz. $28.00
Eureka Diggers.....₩ doz. $13.00
Leeds'.....₩ doz $8.00
Vaughan's Post Hole Auger, ₩ doz $12.00
Kohler's Little Giant...₩ doz $18.00
Kohler's Hercules.....₩ doz $14.00
Kohler's Invincible....₩ doz. $12.00
Kohler's New Champion.₩ doz $8.00
Kohler's Scheidler.....₩ doz $18.00
Ryan's Post Hole Diggers, ₩ doz $24
Gibbs' Post Hole Digger, ₩ doz. net ₩ doz $12.75
Gibbs' Imperial....net ₩ doz. $7.50
Gibbs' Columbia...net ₩ doz. $12.00
Gibbs' National....net ₩ doz. $12.0
Gibbs' Hustler.....net ₩ doz. $10.

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.20, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&3%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
deal.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10&50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
Myers', low lists.....50%

Punches—
Saddlers' or Drive, good, ₩ doz.60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65%
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.5 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake...net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	..30%
Boys' rakes				₩ doz	$3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50.					25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth " $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.90
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....60@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&5%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list..60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜..... ₩ lb 8¼c
Manilla, ¼ and 5-16..... ₩ lb 8¾c
Sisal, 7-16 and larger.... ₩ lb 5¾c
Sisal, ⅜..... ₩ lb 6¼c
Sisal, ¼ and 5-16..... ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manilla.....⅝in ₩ lb 7¾c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5¼c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope..... ₩ lb 11@13c net
Jute Rope..... ₩ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood.....80%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8¼c, 15%
New England.....5c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$3.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper. .....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....25%
Steel Cable.....25%

Sash Cord—
Common .....₩ lb 10@11.
Jute, good quality.....₩ lb 11
White Cotton Braided, fair, ₩ lb 2 /
Common Russia Sash.....₩ lb 16c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 23½c@25c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%
C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White..... 25c
Extra Braided Drab.....27½c

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No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back..45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont...℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50.25%
Richardson's.....25%
Tolosant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped.$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '82..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens....50&5@50&10%
Perfection Screens..50&5@50&10%
Window Screen Frames...50&10@ 50&10&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@95c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..75%
Rogers Drive Screws.....82½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co.70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5 &10%
Jack Screws, Millers Falls, without Roller Bearing.....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Scythe Snaths—
List.....50&5&2@50&10&2%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Ship Tools—
L. & I. J. White.....20&5%
Albertson Mfg.....25%
Berea.....℔ gr. 8.00
Norway Ragg:
Rough Finish.....℔ gr. 14.00
Light smooth.....℔ gr. 18.00
Heavy smooth.....℔ gr. 20.00
Discount 25%; 5-gross lots and over, 33⅓%; f. o. b. factory, 60 days; 2% cash.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Boss, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c

MULE—
Add $1 ℔ keg to above prices.

OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&20%
Snow, D Handle, ℔ doz., $7.25 25&20%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1888.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters.....℔ doz. $2.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Falls.....25%

Spoke Trimmers—
Bonney's.....40@40&5%
Stearns'.....30&10%
Ives', No. 1, $15.00; No. 2, $12.00. ℔ doz 55&10%
Douglass'.....℔ doz $9.00, 20%
Cincinnati.....25%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&12½%

MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....60&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron..... } 80%
Nickel-Plated..... }
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Straps—
Covert's:
Ever Ready, Blanket.....33⅓
Hame.....33⅓%

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$2.75

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Best Steel, Tinned or Coppered, 4 oz. papers, ₩ box.....$5.15
Atlas "Home" Tacks:
No. 50, ₩ carton.....$3.00
No. 50, ₩ case..... 36.00
No. 100, ₩ carton..... 6.00
No. 100, ₩ case..... 72.00
} 50%

CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc, Swedes Iron.....50%
Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....60%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....20%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Tobacco Cutters—
Enterprise.....20%
Wood Bottom.....₩ doz $5.00@5.25
All Iron.....₩ doz $4.25
Nashua Lock Co.'s ₩ doz $18.50@55%
Wilson's.....55%
Sargent's.....₩ doz $24, 55&10%
Acme.....₩ doz $20, 40%
Blacksmiths Tongs.....20&10%

Tongs, Blacksmiths'—
Heller's Steel.....40&10%
Stearn's.....55%
Wrought Jaw.....75&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....20&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—

GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 20%
Mouse, Cage, Wire. ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50,15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Lothrop's Brick and plastering.25@25&5%
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Preatiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 8, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Wagon Jacks—
Samson.....30&10%
Covert's:
Daisy.....33⅓%
Victor.....33⅓%
Millers Falls.....25%

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby..... 25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40 & 10%
Hercules.....50%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Saillon Pipe.....45%
Trimo Pipe.....60&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....5½@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....0%
Lowell Lag Screw.....25%
Yankee.....4%
Expert Bicycle.....35⅓&10%

Wringers, Clothes—

IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30 Erie, 11 inch	27.00
No. 55, King, 11 inch	28.28
No. 45, King, 10x1¾ inch	2[illegible].00
No. 65, King, 11x2 inch	3[illegible].00
No. 2, "[illegible]" 10 inch	15.50
No. 2, Zenith, 10 inch	16.00
No 8. Zenith, 11 inch	19.00
No. 4. Zenith, 12 inch	21.50

WOOD—

No 40. Prime, 10 inch	20.00
No. 50, Prime 11 inch	23.00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99 Pittsburg, 11x2 inch	31.00
No. 58, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 25% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₩ gal. 70c
Linseed City, Boiled.....₩ gal. 73c
Linseed, Western, Raw...₩ gal. 74c
Lard, City, Extra, Winter, ₩ gal. 66c
Lard, City, Prime.....₩ gal. 54c
Lard, City, Extra No 1...₩ gal 50c
Lard, City, No. 1.....₩ gal 47c

Paints and Colors—
Parytes, Foreign ₩ ton $22.00@ $25 00
Barytes, American, Floated.....₩ ton $26.00@$28 00
Barytes, American, No. 1.....₩ ton $16 0 @$ 8.00
Barytes, American, No. 2.....₩ ton $13 60@$15.00
Barytes, American, No. 3.....₩ ton $11.00@$12.00
Paris Green, in bulk.....29c
Paris Green, small pack.....29c
Lead American, White.....4¼@4¾c
Lead. Dry in Oil.....5½@6½c
Lead, Red in kegs.....5½@6c
Litharge, in kegs.....5½@6c
Zinc, American, Dry.....8½@9½

Putty—
In Barrels and half bbls. .01⅜@.01¾
In Tubs.....01⅝@01¾
In Tin Cans.....0.1½@.02¼
In Bladders.....02¼

Spirits Turpentine—
In regular barrels.....₩ gal. 30½c
In machine barrels.....₩ gal. 31 c

Varnishes—
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$2.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$2.50
No. 1 Coach.....$2.25
Lt. Hd. Oil Finish.....$2.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$2.50
Umber in Oil.....₩ lb .20
Sienna in Oil.....₩ lb .22
Ochre in Oil.....₩ lb .13
Window Blind Green in Oil.. .21
Chrome Yellow in Oil...₩ lb 27
Indian Red in Oil.....₩ lb .21
Dealers' Discounts in large lots.....25%

BE CAREFUL OF INFRINGERS OF Our Patents.

DEALING IN THE ALASKA PAYS.

ALASKA HARDWARE.

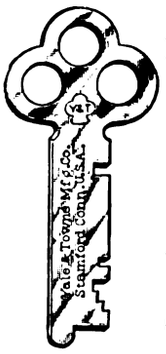
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TROY NICKEL WORKS, TROY, N.Y.

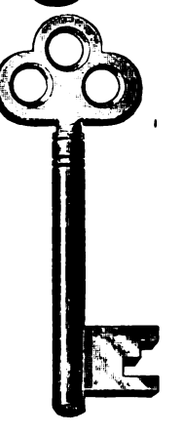
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Situations Wanted.

A YOUNG man with six years experience in builders' Hardware, machinists' tools and supplies, will be open for engagement October 15th. A-1 references as to ability and character. Address F. A. F., care HARDWARE, No. 143 Chambers Street, New York City.

TRAVELING Salesman wants A-1 Specialties or Staple Hardware lines. Cutlery, Sporting Goods or Tools. Ohio, Michigan and Indiana. Established trade. A-1 reference. M. I. Lee, Toledo, Ohio. General delivery.

AMERICAN, aged twenty-nine, disengaged October 15th, desires situation. Twelve years business experience with leading manufacturers. Understands bookkeeping, correspondence, general office work, etc. Address American, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—First-class salesmen will find it to their interest to correspond with the Sun Mfg. Co., Greenfield, Ohio, in reference to their Combined Show Case Money Drawers, and other scheme goods, to carry as a side line.

TRAVELING SALESMAN wants A1 selling specialties for Wisconsin and Minnesota. Address F. S., care HARDWARE, No. 143 Chambers Street, New York City.

A YOUNG man with eight years experience in builders' and ice box Hardware, also in bellhangers' and locksmiths' Hardware, desires a position with wholesale or retail house, and with moderate terms to prove his ability. Address L. S. S., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced salesman, machinists' tools and mill supplies, ("established trade"), is open to an engagement. A1 references. Address Active, care HARDWARE, No. 143 Chambers Street, New York.

AS bookkeeper and salesman, Hardware, stoves or house-furnishing house. Reference, Palderson Bros. Co. Address, W. N. F., care HARDWARE, No 143 Chambers Street, New York.

EXPERIENCED traveling salesman wants good specialties or side line on commission, for Hardware, stove, or general trade, in New York and adjoining States. Address System, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS.—If you desire to increase your sales communicate with the advertiser, who represents a Hardware Manufacturing Co., and is open to add to his line of representation. He has a large personal acquaintance with domestic and export trade. Address New York Representative, care HARDWARE, No. 143 Chambers Street, New York.

Help Wanted.

WANTED thoroughly reliable clerk in retail tool store in Philadelphia, Address S. & Co., care HARDWARE, No. 143 Chambers Street, New York.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

WE want a few "hustlers" to sell our trucks on commission. They are "sellers" easily carried as a side line. Those who can furnish good references can secure a good thing. Enclose stamp for particulars. Address G. L. Van Namee Mfg. Co., Syracuse, N. Y.

WANTED by Tubular Lantern manufacturers two men, one who thoroughly understands the making and designing of dies and tools, suitable for wire and sheet metal. Also man competent to take charge of assembling lantern parts. Must be bright, progressive men, fully up to the art, Address L. A. N., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Wanted Chicago Agencies.

A WELL-KNOWN business man, of financial responsibility, a good salesman, will establish CHICAGO office October 1st and wishes to obtain agency of manufacturers of Hardware specialties, or any goods that can be sold to jobbers. Manufacturers of any such goods, seeking an outlet, will find this an excellent opportunity. The commercial credit and business references of the party are the very best. Address "Chicago Agencies," care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

WANTED—Sales agency. Manufacturers of leading lines of Hardware or kindred goods, who are not properly or sufficiently represented to the jobbing trade, in territory between Pittsburg and Omaha, would do well to correspond as below. "Business," care HARDWARE, No. 143 Chambers Street, New York City.

BY a party who has been in that line for years and has introduced and obtained a large trade on several specialties Special attention paid to the Eastern and Southern and Canadian market, but have connections throughout the United States and export market. Address "New York House," care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunities.

WANTED—A first-class builder. Contractor of Rochester, N. Y., having an experience of ten years, would like to enlarge his business by taking in a partner with capital. For further particulars address P. O. Box 666, Rochester, N. Y.

WANTED partner with $10,000 in large retail Hardware business. Capital desired to extend business. Address Opportunity, care HARDWARE, No. 143 Chambers Street, New York.

For Sale.

A DESIRABLE Factory in Yonkers, N. Y., within 3½ miles of the New York City line, one hour from Battery, on line of railroad, with siding, adapted to any kind of manufacturing. Elevator, electric light plant, engine, and all other conveniences. This is a rare chance to obtain a valuable factory property, beautifully situated, in healthful locality, where property is rapidly advancing as the metropolis moves northward. The price is less than half its real value For further particulars apply to Todd & Bible, 261 Broadway, New York City.

Law and Collections.

PLACE your Chicago Collections and *legal business* with SAYLER & FRAZER, Attorneys-at-Law, 171 La Salle Street (N. Y. Life Building), Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schoverling, Daly & Gales, New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.
Supplee, Dunn & Alder, New York.

Babbitt Metal.
Bruce & Cook, New York.

Beaters.
A. J. Hambel, Chicago.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Arlington U. Betts & Co. Toledo, O.
W. Bingham Co., Cleveland, O.
Bridgeport Gun Implement Co., New York.
Cushman & Denison, New York.
J. P. Lovell Arms Co., Boston.
New York Belting & Packing Co., Ltd., New York.
McIntosh-Huntington Co., Cleveland, O.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Quadruped Novelty Co., Canton, Ohio.
Schoverling, Daly & Gales, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass, Manufacturers.
Ansonia Brass & Copper Co., New York.
Waterbury Brass Co., New York.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven Conn.

Cash Registers.
G. A. Supplee & Co., Philadelphia.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Berger Bros., Philadelphia.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Supplee, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Berger Bros., Philadelphia.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.
G. A. Supplee & Co., Philadelphia.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co., Philadelphia.

Export Agents.
John H. Graham & Co. New York.

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Irons.
Bolgiano Mfg. Co., Baltimore, Md.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.
Supplee, Dunn & Alder, N. Y.

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Hangers, Coat and Hat.

Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed New York.

Hangers, Door.

Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.

W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.

Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Keil & Son, New York.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Forks.

Underhill, Clinch & Co., N. Y.

Hay Racks.

E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Tom Moore, New York and Brooklyn.

Hinges.

Th. M. Hass, New York.
Francis Keil & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.

Energy Mfg. Co., Philadelphia.

Horse Nails.

Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.

Rhode Island Horse Shoe Co., Providence, R. I.

Hose Reels.

Surpless, Dunn & Alder, New York.

Hose, Rubber.

Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.

W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.

Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.

John Chatillon & Sons, New York.

Ice Cream Freezers.

John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.

Bruce & Cook, New York.
Todd-Donigan Iron Co., Louisville, Ky.

Job Lots.

Charles Weiland, New York.

Kraut Cutter.

National Saw Co., Newark, N. J.

Lamps.

Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.

Dangler Stove & Mfg. Co., Cleveland, O.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.

Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
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Gibbs Mfg. Co., Canton, O.
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Gibbs Mfg. Co., Canton, O.

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Bruce & Cook, New York
National Lead Co., New York.

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Stanley Rule & Level Co., New Britain, Con, Nnew York.
Surpless, Dunn & Alder, N. Y.
Tower & Lyon, New York.

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W. W. Lawrence & Co., Pittsburg, Pa.

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Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
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Yale & Towne Mfg. Co., Stamford, Ct.

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Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Loring Coes & Co., Worcester, Mass.

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Tom Moore, New York and Brooklyn.

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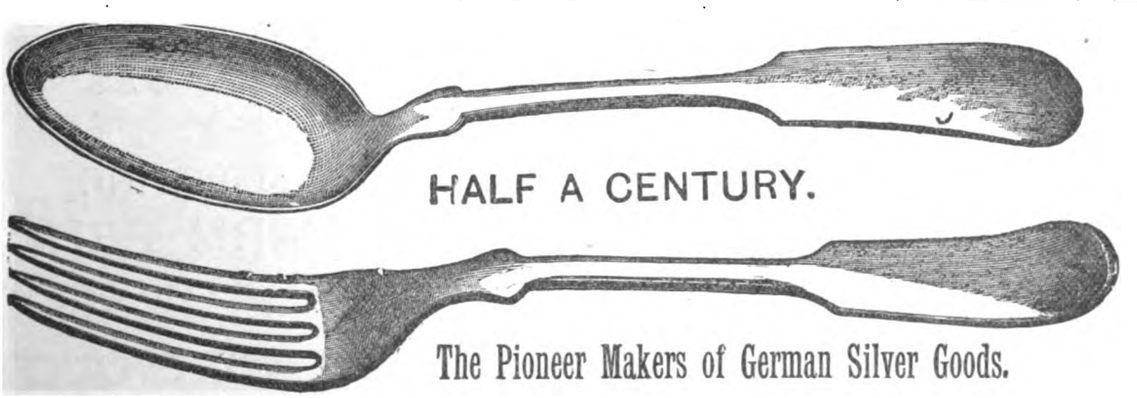
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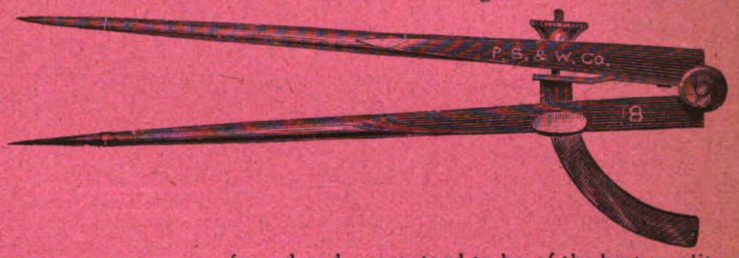
CAST STEEL SAFETY SIDE CUTTING PLIERS. The handles are covered with a patent insulation, specially made for the use of linemen, electricians and others, who wish to cut wires heavily charged with electricity. Tested to insulate against a current of 2,500 volts. The insulated covering is not brittle and will not flake off. The tool is of solid cast steel. Every trolley car should carry one of these pliers as a protection against accidents and a security of life. Made in three sizes, 6, 7 and 8 inches.



CAST STEEL PLIERS. Flat and Round Nosed. Our Nos. 20 and 25 are made of the highest grade of steel, are finely tempered, and are superior to any goods made in the country. Their quality and finish cannot be surpassed. Our Nos. 200 and 250 are made with lipped joints, are of solid steel, at somewhat less price than our other grade, but very much superior to imported goods.



CAST STEEL WING DIVIDERS. These goods of our make are so favorably and well known among the trade that they need no further recommendation.



BUTTON'S PATTERN COMBINED PLIERS and CUTTING NIPPERS. These goods are solid steel forged and guaranteed to be of the best quality. Made in sizes from 4½ to 12 inches.



AUGER BITS, SOLID CAST STEEL, DOUBLE SPUR. Furnished in sets or by the dozen. Full line, finely finished and well tempered.

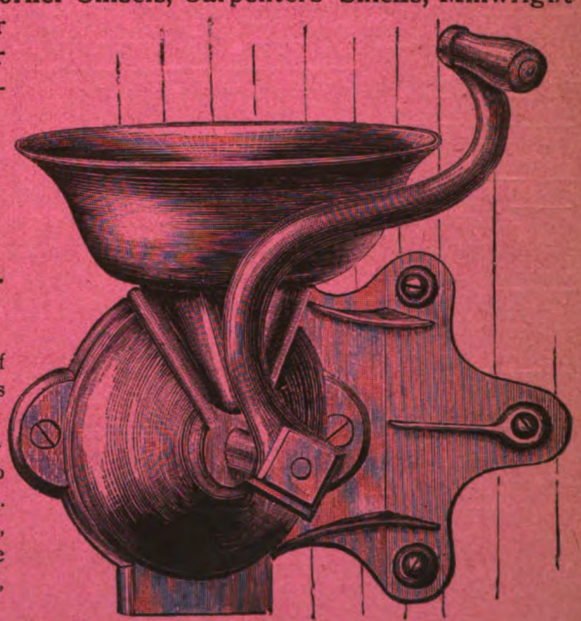


Carpenters' Pincers, Saddlers' Punches, Compasses, Calipers, inside and outside, Shingling Hatchets, Claw Hatchets, Half Hatchets, Hunters' Hatchets, Boys' Axes, Machinists' Hammers, Farriers' Hammers, Socket Firmer and Framing Chisels, plain or with beveled edges, Corner Chisels, Carpenters' Snicks, Millwright Chisels, Paring Chisels, Millwright Gouges, Tanged Firmer Chisels and Gouges, Socket Firmer Gouges, Socket Firmer Paring Gouges, Drawing Knives, Razor Blade and Carpenters', Coach and Wagon makers'.

If the above named goods bear the stamp of the

P. S. & W. Co.

it will be a guarantee of their excellence.



THE POPULAR COFFEE MILL. This mill, the illustration of which is here shown, is in truth a **Popular Coffee Mill** on account of its superior quality as a grinder, and because it can be placed anywhere against the wall. It is so made that it projects at an angle of about forty-five degrees from the wall, and unlike other side mills it is not necessary to find a jamb or corner on which to fasten it. It can be put up anywhere. It is well made and strong, is furnished in two sizes, known as No. 1 or 2, and can be retailed for 50 or 60 cents each. No dealers' stock is complete without this mill. We also make a large line of box and side coffee mills, of modern designs and with the latest improvements.

THE TRIUMPH

SIMPLE IN CONSTRUCTION.

A New Meat Chopper of the Highest Grade and Best Quality

Of Great Power. Adapted to a Variety of Uses.

THE TRIUMPH OF SUCCESS. THE TRIUMPH OF ACHIEVEMENT. THE TRIUMPH OF INVENTIVE GENIUS.

All the Essential Qualities in the Best Family Meat Chopper are found in the TRIUMPH.

TINNED TO PREVENT RUST.

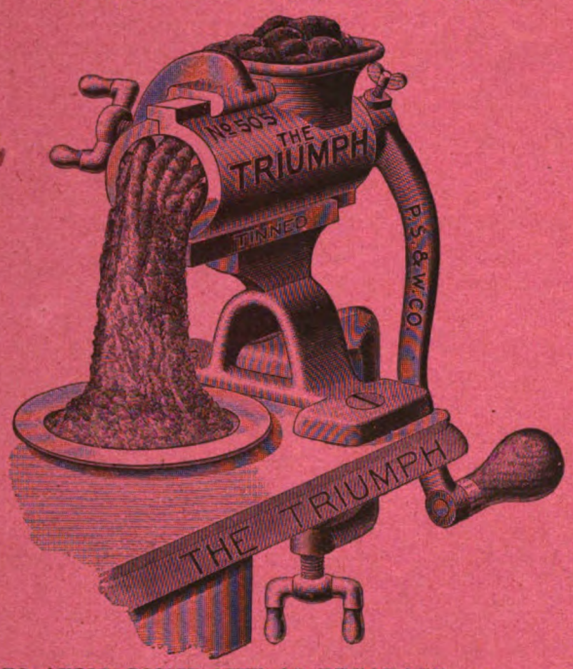
THE NEW

"Triumph" Meat Chopper

THE TRIUMPH OF DISCOVERY.
THE TRIUMPH OF VICTORY.

The Cheapest and by far the Best Meat Chopper ever Manufactured.

ALL TRIUMPH CUTTERS ARE TINNED.



A remarkable statement, unsolicited, coming to us under date of Oct. 21, 1892, from a party very familiar with all the Meat Cutters now on the market, and thoroughly acquainted with their method of construction, capacity and ease of operation:

"I have been experimenting all day with the **Triumph Meat Chopper.** As an all-round family machine it has no equal. For cold cooked beef, either fresh or corned, it will beat all others to death; also on all fat meat without any lean or any hard substance to hold the fat; it excels all others way out of sight. There is nothing so far devised or invented that will prepare apples for mince pies like this machine. It also cuts potatoes for hash. But I want to emphasize its capacity for cutting apples for mince pies; in this particular it excels everything in existence. While for cutting raw beef, or pork for sausages or hash, or for any other substance, it is unquestionably what you have already termed it, **'The Triumph of inventive genius.'"**

THE PARTS ARE SO FORMED AS TO AVOID POSSIBILITY OF BREAKAGE.
THERE ARE NO SCREWS OR NUTS TO TAKE OFF AND LOSE.
THE CUTTING MECHANISM NEVER GETS OUT OF ORDER.
THERE ARE ONLY THREE PARTS TO CLEAN.
IT IS THE ONLY CUTTER THAT CAN BE CLEANED BY MERELY PUTTING THE CUTTING PARTS INTO HOT WATER.

No sharpening is ever needed, therefore no extra knives or discs are required. Pieces of bone or wood in the substance to be cut, will not break it. It will cut all kinds of meat, however stringy, fat, lean, raw, cooked, dry or tough. It is a hardy machine that will endure rough usage. It will work as well every time it is used as at first, and for household use it will last a lifetime. It will also cut many kinds of vegetables.

A PENNY SAVED IS A PENNY EARNED.

A Few Grains of Common Sense.

In these hard times we need to economize in our food, not by going without, but by seeing that we have enough, and not too much, that it is healthy and nutritious, and that none of it is wasted.

If you buy a porterhouse steak, you have a long fag end to give to the cat. If you buy a sirloin, you have a small piece that is tender and juicy, and a large piece that is tough, stringy and dry.

If you buy a round steak you need a remarkably good butcher or remarkably good teeth.

If you have a Triumph Meat Cutter, you do not need to worry because you cannot get a steak that just suits you. Whatever you get, run it through the meat cutter and make it into flat cakes. You can then broil it, which is best, or fry it, which some people do. Besides if cut, it can be seasoned all through; all parts are thoroughly mixed, the juicy parts flavor the dry parts, and the whole is both delicious and nutritious. Moreover, to cut it fine aids digestion. Beef is one of the most nutritious of all meats, and with the exception of mutton and venison the most readily digested, if chewed fine. If swallowed in umps, digestion is retarded.

What we claim for the Triumph Meat Cutter is that with it you can cut your meat thoroughly. No strings, no bits of muscle, not even bits of bone are found in its product. If you want your beef in small pieces, run it through once; if still finer, twice. For Hamburg steak it cannot be chopped too fine.

We have no word to say against other meat cutters. They have a broad field, and all have their good points; but we do say that for family use, the Triumph cutter has never yet been equaled. It has no complicated machinery to adjust, no difficult parts to wash. Any servant girl can be taught to put it together and to use it in two minutes.

For those who cannot afford to buy the better grades of steak it is invaluable. Any piece of beef after going through this meat cutter can be made into good steak by making it into a flat cake. We do not say that a neck piece will be made as nice and juicy as porterhouse, but we do say that it can be made both palatable and digestible.

Some people reject meat cutters because they do not make good hash. It is true that no meat chopping machine will leave boiled potato in pieces. If you want it that way the old fashioned chopping knife, with all the time and trouble it takes to use it is your best recourse. But for mince pies, Hamburg steak, croquettes, and many other dishes of the kind, nothing can equal a meat cutter, and no cutter can equal the Triumph.

Until your dealer learns its value and carries it in stock, write to

THE PECK, STOW & WILCOX CO., Southington, Conn., or New York.

Who will deliver it any where in the United States, express prepaid, for $1.75. Your Hardware dealer should sell it to you at the same price.

CLINTON WIRE CLOTH CO.,

Manufacturers of every description of

WIRE CLOTHS,

"Silver Finish" Galvanized Poultry Nettings, Painted Window Screen Cloth, Farm Fence, &c.

Products of this Company are everywhere accepted as STANDARD.

76 Beekman St., New York. | Sears Building, Boston. | 137 Lake St., Chicago. | Factory and Main Office, Clinton, Mass.

WRIGHT & COLTON WIRE CLOTH CO., WORCESTER, MASS.



HARD STEEL WIRE

NEW PROCESS
HARD STEEL GALVANIZED
WIRE NETTING.
Patented March, 1884.
Patents Pending.

MANUFACTURERS OF EVERY DESCRIPTION OF

WIRE CLOTH AND NETTING,

Painted Window Screen Wire Cloth,

WIRE LATHING, HOUSE-FURNISHING WIRE GOODS.

SEND FOR LATEST CATALOGUE.

The Oldest and Leading Manufacturers of Galvanized Wire Goods in America.

The Gilbert & Bennett Mfg. Co.,

Pearl Window Screen Wire Cloth.
Galvanized Steel Wire Cloth.
Galvanized Wire Poultry Netting.
"Cottage" Lawn & Garden Fencing.
"G. & B." Web Wire Fencing.
Sieves, Riddles, Screens.
Gilbert's Rival Ash Sifters.
House Furnishing Wire Goods.
Railings, Window Guards.
Wire Lathing, Etc.

—MANUFACTURE—

WIRE CLOTH, NETTING

Fencing, Gates, Fencing Tools,

-:- WIRE GOODS, WIRE WORK, -:-

WIRE LATHING WITH HAMMOND'S METAL FURRING.

STABLE FIXTURES.

44 Cliff Street, NEW YORK.
148 Lake St., CHICAGO.

Factories { GEORGETOWN, CONN. / CHICAGO, ILL.

ESTABLISHED 1818.

"Pennsylvania" Fruit Picker

This Cut almost speaks for itself—the device being so much like the human hand, shows at once the utility of the article.



PATENTED.

AS A FRUIT PICKER IT HAS NO SUPERIOR.

It is made of Heavy Galvanized Wire, and Easily Adjusted to a Pole. It has been sold for several years, and the demand (as it is becoming known) is steadily increasing. The difficulty of detaching fruit and securing it unbruised is apparent to everyone so engaged. This overcomes the difficulty, and saves the finest fruit, which commands the highest prices.

THE LOW PRICE AT WHICH IT IS SOLD

Brings it within the reach of those who have but little fruit to gather as well as those who have large quantities. **Price, per doz., $6.00. Liberal discount to dealers.** It will gather Apples, Peaches, Pears, &c.

—MANUFACTURED BY—

Pennsylvania Wire Works,
EDWARD DARBY & SONS,

233 and 235 ARCH STREET, PHILADELPHIA, PA.

IMPROVED
Labor-Saving
CARPENTERS' TOOLS.

STANLEY

RULE & LEVEL CO.
New Britain, Conn.

SOLD BY ALL
Hardware Dealers.

Stanley's Knuckle-Joint Block Plane.



The knuckle-joint in the cap makes it a lever, too; and the act of placing the cap in position, will also clamp the cutter securely in its seat.
No. 18. Knuckle-Joint Plane, 6 in. Length, 1¾ in. Cutter, Lateral Adjustment, Nickel Plated Trimmings..$1.75

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

EXPANSION BOLTS.



Manufacturers of Single and Double,
For fastening all kinds of Structure to Brick and stone Work. Catalogue furnished on application
STEWARD & ROMAINE MFG. CO. PHILADELPHIA.

Something New.

The "M & P" Friction Drop Hammer.

Entirely New Principle for Working the Rolls.
Positive and Quick Action---Strong and Durable.

No Bolts or Nuts on Lifter

TO JAR LOOSE.

Miner & Peck Mfg. Co.,

New Haven, Conn.

JESSOP'S STEEL

Manufactory, SHEFFIELD, ENGLAND.
WM. JESSOP & SONS, LTD.
Established over a century ago.

BEST ENGLISH TOOL STEEL
ALL KINDS IN STOCK.

Chief American Depot,
91 John Street, New York

—Medal— —1893—
—World's Columbian Exposition—



WRITE FOR CATALOGUE AND TRADE DISCOUNTS.

THIS IS THE TIME TO BUY

Grain Scoops and Malt Shovels.

WRITE FOR PRICES TO

JOHN SOMMER'S SON,

355-365 Central Ave., Newark, N. J.

Cleveland Twist Drill Co.



We make the BEST drills on the market.

Office and Factory,
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New York Office,
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JAMES D. FOOT, Agt.

The Wire Goods Co.,

Worcester, Mass.

EVERYTHING IN WIRE.



SPECIALTIES TO ORDER.

Stan'd Head 8

Ausable Horse Nail Co.,

Light Head 8

10 Murray Street, New York.

THE ORIGINATORS OF

Hot Forged and Hammer Pointed Nails

IMITATING THE

Old Fashioned Hand Process.

FAC-SIMILE OF AUSABLE BOX AND BRAND.



Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.

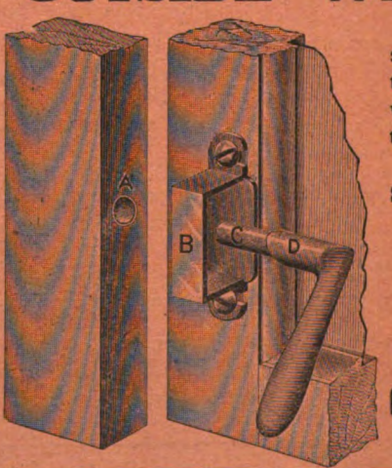
DOLBER'S

SASH FASTENER.

Patented Aug. 1, 1893.

BEST DEVICE EVER INVENTED FOR FASTENING

OUTSIDE WINDOWS.



The accompanying cut shows Fastener as applied to the side of an outside window, fastening same to the outside casing.

SAVES TIME,
LABOR and
EXPENSE.

F. V. Wooster,

66 Beverly St., Boston.

Mounted samples, by mail, 15c.

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
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ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
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RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,

146, 148 & 146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**



ALL THE NEWS.

HARDWARE

HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

Published Fortnightly by the HARDWARE PUBLISHING COMPANY, No. 143 Chambers St., New York.

VOL. X. NO. 2. New York, October 25, 1894. 1.00 A YEAR.



MAGNOLIA METAL

IN USE BY

Eight Leading Governments.

BEST ANTI-FRICTION METAL FOR

High-speed Engine, Dynamo, Rolling-Mill, Steamship, Railroad, Saw-Mill, Cotton Mill, Paper-Mill, Woolen-Mill and all Machinery Bearings.

MAGNOLIA METAL CO.,

OWNERS AND SOLE MANUFACTURERS,

74 Cortlandt Street, - New York.

London Office: 75 Queen Victoria St.

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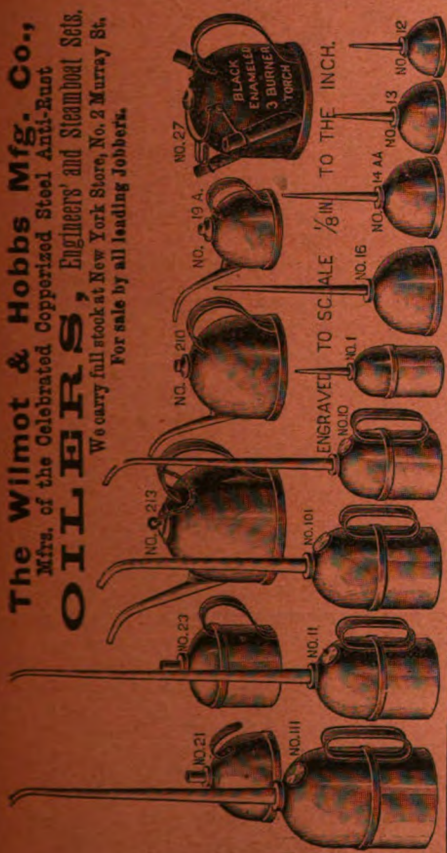
BRAIDED CORD.



SAMSON & MASSACHUSETTS Brands.

Send for Samples Samson Cordage Works, BOSTON MASS.

The Wilmot & Hobbs Mfg. Co., Mfrs. of the Celebrated Copperized Steel Anti-Rust OILERS, Engineers' and Steamboat Sets. We carry full stock at New York Store, No. 2 Murray St. For sale by all leading Jobbers.



A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS, 53 Elm Street, Boston, Mass.



U.M.C. TRADE MARK



AMMUNITION, Sporting and Military



PAPER SHOT SHELLS, WADS, PRIMERS, &c.

THE UNION METALLIC CARTRIDGE CO., - BRIDGEPORT, CONN.

Ask your dealer for U. M. C. Goods.

Don't Read Page 12.

THE STANDARD TOOL CO., Cleveland, Ohio.



Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

ORANGE EXTRA SPORTING POWDER.

See top page 3.



BRADLEY Steel Shelf Bracket.

SEND FOR PRICES.

PAT. NOV. 8, 1892. ATLAS MFG. CO., New Haven, Ct.

A. S. HENN & CO.,

21 Artizan St., - New Haven, Conn.

SPECIAL AND LIGHT HARDWARE

Can Openers. Pocket Wrench, Mincing Knives. Clothes Line Pulleys, &c. Ornamental Metal Pattern Makers.

High Grade Rubber Goods.



Branch Office, 10 Barclay Street, New York.

Send for samples and prices before you place your orders.

Its strength is uniform and quality always the same.

"DODD'S" LIQUID GLUE.

It gives perfect satisfaction.

A. W. DODD & CO., Gloucester, Mass.

C. E. JENNINGS & CO.'S HAND SAWS.

These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



THE
ANSONIA BRASS AND COPPER CO.
MANUFACTURERS OF
BRASS AND COPPER
Seamless Tubes, Sheets, Rods and Wire.

Ingot Copper.

SOLE MANUFACTURERS
TOBIN BRONZE
Condenser Plates, Pump Linings, Wire, Round Square and Hexagon Bars, for Pump Piston Rods and Bolt Forgings.

9 & 21 Cliff Street. - New York

SCOVILL MFG. CO.
Manufacturers of
BRASS
Sheet, Wire, Tubes.
BUTT HINGES,
BUTTONS,
LAMP GOODS,
NOVELTIES.
PURE ALUMINUM
INGOT and SHEETS.
FACTORIES: WATERBURY, CONN.
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LANE'S
PATENT STEEL BARN
DOOR HANGER.

ANTI-FRICTION.
MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
NO BREAKAGE.
Ease of Movement. Always in Order.
LANE'S Patent Noiseless Steel Parlor Door Hanger.
Hanger is made of steel throughout, including wheel, except solid interior leather tread, causing to roll noiselessly.
Single Steel Track Instead of Double Wood Rail.
Ask Your Hardware Dealer and Send for Circular.

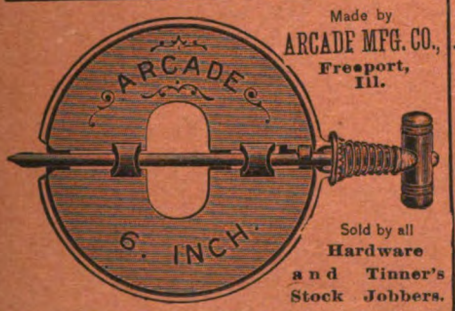
—MANUFACTURED BY—
LANE BROTHERS, Poughkeepsie, N.Y.

THE W. & E. T. FITCH CO.,
NEW HAVEN, CONN.
Manufacturers of a variety of
HARNESS SNAPS.

This Cut represents the UNION PAT. BOLT SNAP.

W. S. ESTEY,
No. 65 FULTON STREET, NEW YORK,
MANUFACTURER OF
WIRE CLOTHS — Of Brass, Copper, Iron, Galvanized and Steel Wire of all meshes and grades. For Mining, Milling and all other purposes. **Locomotive Spark Wire Cloth &c**
WIRE WORK — For Bank, Office and Counter Railing, Store Fronts, Window Guards, &c.
Galvanized Twist Netting,
Oliver's Patent Decoy Rat Trap
S T Adjustable Foundry Riddles,
S T Sand Screens.
SEND FOR CATALOGUE.

QUARRY SUPPLIES.
DERRICK IRONS,
WIRE ROPE,
TACKLE BLOCKS,
TURN BUCKLES,
SWEDE IRON CHAIN,
POWER HOISTS,
CRABS,
CROW BARS (10 to 500 lbs.),
SAW BLADES,
CAST STEEL,
T RAIL,
SPIKES,
IRON ROOFING AND SIDING
SHOP TOOLS
THE TODD-DONIGAN IRON CO.,
LOUISVILLE, KY.



Made by
ARCADE MFG. CO.,
Freeport, Ill.
Sold by all Hardware and Tinner's Stock Jobbers.

GEM SPRING HINGES

For Doors,		JAPANNED. Length of Flanges.	Single Acting.	Double Acting.
Feet.	Inch.		Nos.	Nos.
6x2	¾ to 1⅛	3½ in	63	83
7x2	1 to 1⅜	4 in	64	84
7x2¼	1 to 1½	5 in	65	85
7x2½	1 to 1¾	6 in	66	86
8x2½	1¼ to 1⅞	7 in	67	87
8x3	1½ to 2¼	8 in	68	88
9x3	1¾ to 2½	10 in	69	89

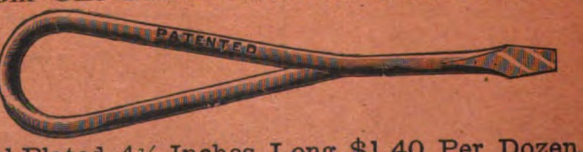
FOR SCREEN, MEDIUM AND HEAVY DOORS.
Single and Double Acting.
THE 3½ AND 4 INCH ARE THE BEST IN THE MARKET FOR SCREEN DOORS.

Send for full Catalogue of Bronzed, Brass and Bronze Metal Spring Hinges.
MANUFACTURED BY
Van Wagoner & Williams Hardware Co.,
CLEVELAND, O. and 14 WARREN ST., N.Y.

SAVE MONEY
IN
BUYING YOUR TOOLS
I make a special business in Buying and Selling
JOB LOTS
of Tools of every description. It will pay you at all times to know what I have in stock, and to learn my prices.
FILES A SPECIALTY.
CHARLES WEILAND,
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Send for Circular. NEW YORK.

SASH WEIGHTS.
E. E. BROWN & CO.,
McKean and Meadow Sts.,
PHILADELPHIA, PA.

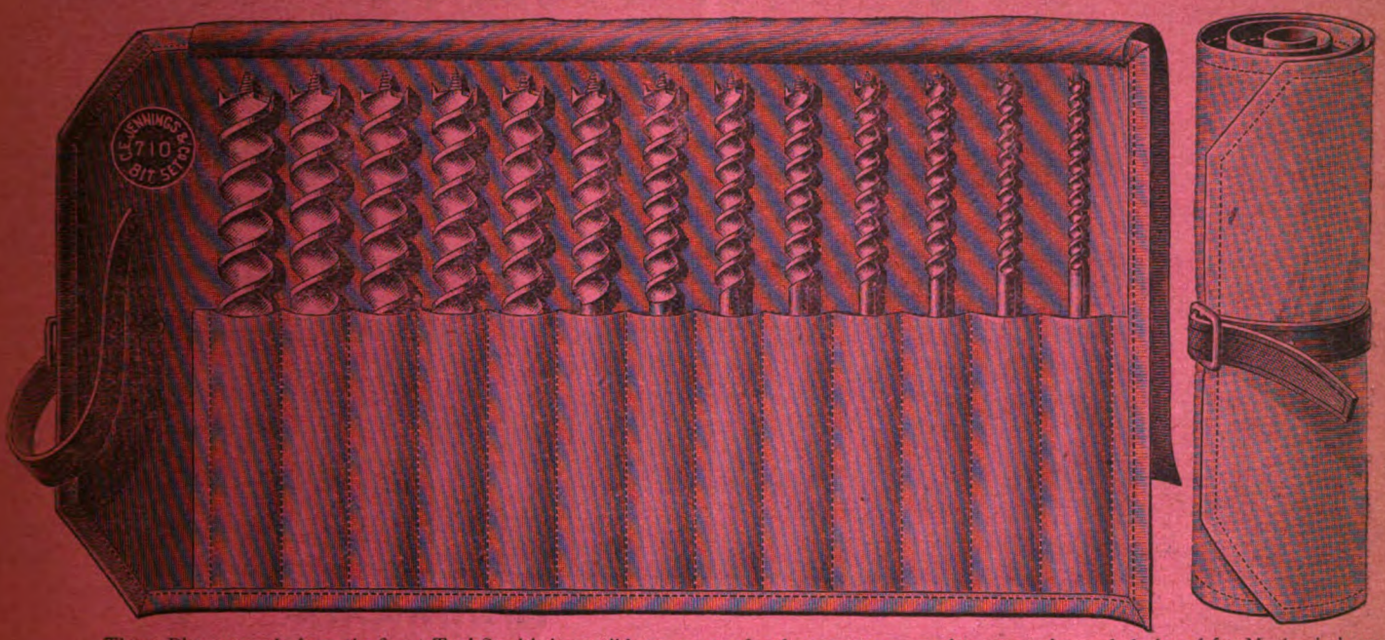
A business without advertising is like a gun without ammunition. Advertise in **HARDWARE.**"

GEM SCREWDRIVER.
Made From One Piece Crucible Steel Well Tempered.


No. 11, Nickel-Plated 4¾ Inches Long, $1.40 Per Dozen.
Made Expressly for Sewing Machine and Family Use.
For Discounts and other Styles send for Catalogue.
C. T. WILLIAMSON WIRE NOVELTY CO.,
NEWARK, N. J.
Manufacturers of Wire Specialties for the Trade.

C. E. Jennings & Co.'s Superior Quality Auger Bit Sets, No. 710.

Packed in Flexible Canvas Rolls. Patent Applied For.



These Bits are made from the finest Tool Steel it is possible to procure for the purpose, ground to exact size and designed for Mechanics' use, and not intended to compete with the low priced tools of this pattern now on the market. Each bit is stamped with our full name and number as a guarantee of quality. We also test every bit before leaving the works and give the consumer our absolute guarantee authorizing the Dealer to take them back if defective in any particular. We have recently designed an improved roll for packing these bits and have applied for a patent on the same—hereafter all our No. 710 Sets will be packed in these Rolls. They are made of dark-colored canvas, well-lined with blue canton flannel, having a receptacle for each Bit, Shanks and Points protected by extra canvas. It makes it very convenient for the mechanic to keep the Bits safe from injury, and to carry them wherever needed. The case rolled up, with the Bits complete, measures 3x11 inches, and it may be thrown into the kit of tools without injury to the Bits, or to other tools with which it may come in contact.

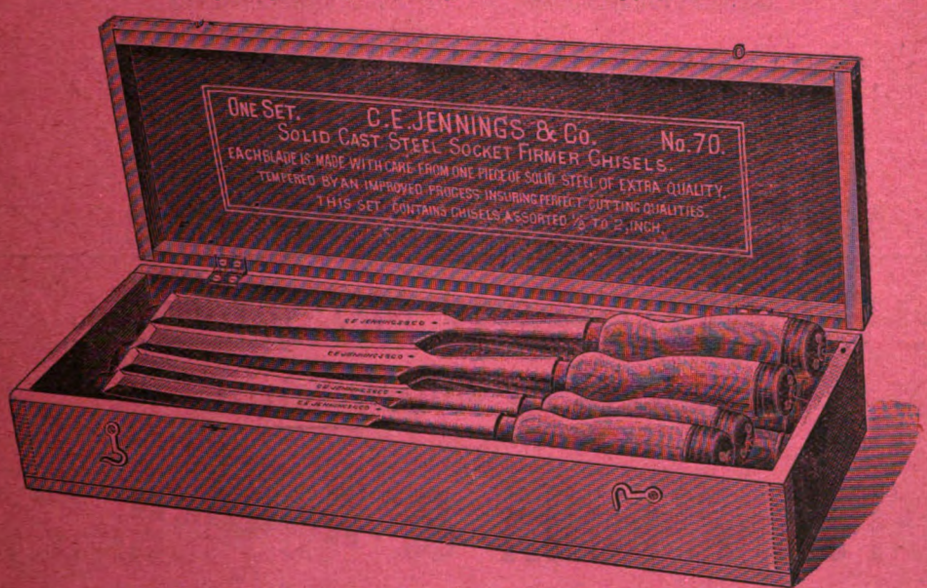
No. 710 Set. Improved Pattern Extension Lip, full polished, 13 Bits, 32½ quarters, one each, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16—16 inch, per set, $6.25. These sets or our No. 10 Bits in separate sizes can be obtained of any Hardware house in the United States. In case they cannot furnish them send direct to us.

C. E. JENNINGS & CO.'S CHISEL SET.

These Chisels are made from the finest Tool Steel, tempered by an improved process, ground sharp and honed ready for use and put up with patent improved leather tipped handles.

No. 70.

Per Set, $7.50.



No. 70.

Per Set, $7.50.

This cut represents our No. 70 Chisel Set, containing one each of the following sizes, ⅛, ¼, ⅜, ½, ⅝, ¾, ⅞, 1, 1¼, 1½, 1¾, 2 inches. In fancy wooden box.

Our list of Tool Chests is now ready and will be sent on application. We use only our best tools in our high grade chests and make a low price for the chest complete for the sake of introducing our own make of tools.

C. E. JENNINGS & CO., 79 Reade & 97 Chambers Sts., New York.

The Gutta Percha & Rubber Mfg. Co.,

ESTABLISHED 1855.

35 Warren Street, - NEW YORK.

RUBBER HOSE.



OUR BRANDS ARE:

Maltese Cross,
Ridgewood,
Wallabout,
Rescue and
Nassau.

They have an established reputation. Send for samples and prices.

RUBBER BELTING.

MONARCH, MALTESE CROSS, RED STRIP, MOHAWK.

STEAM PACKING, STEAM HOSE, AIR BRAKE HOSE,

MATS, MATTING and Mechanical Rubber

Goods of every kind.

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MATTHEW HAWE, Treas.

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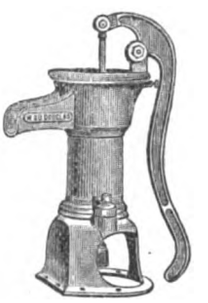
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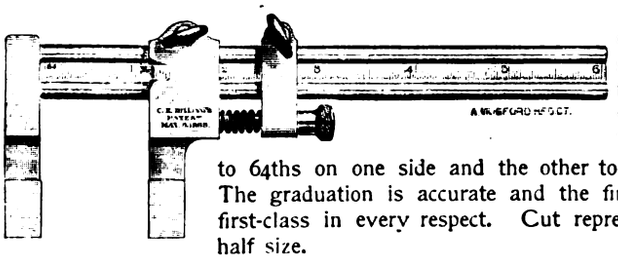
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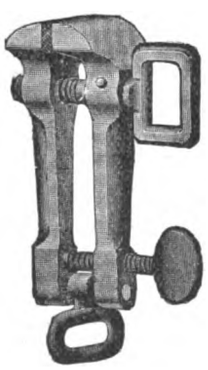
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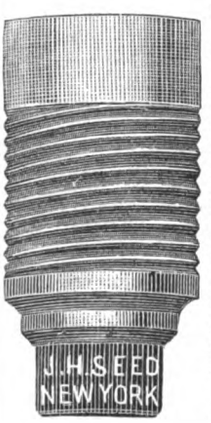


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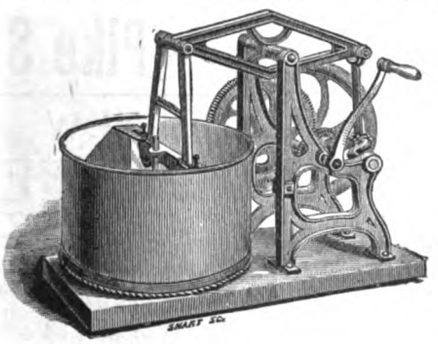
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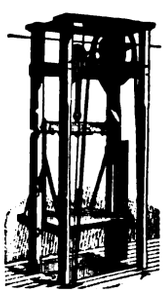
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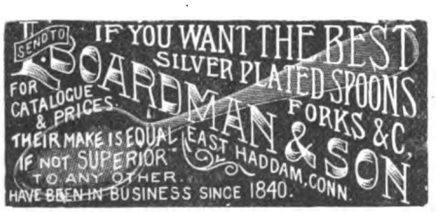
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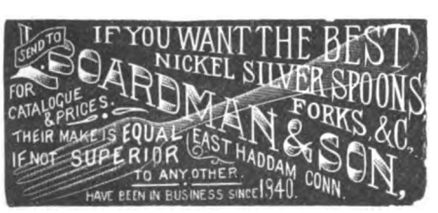
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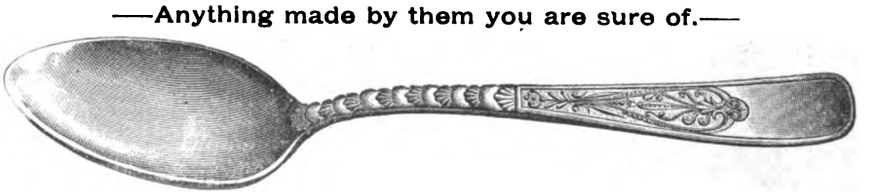
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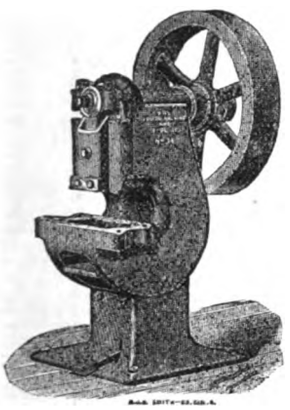
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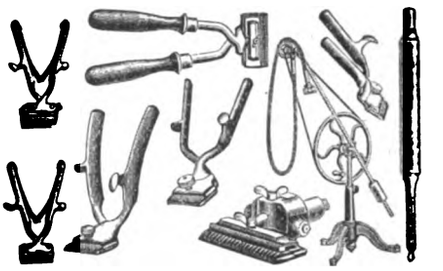
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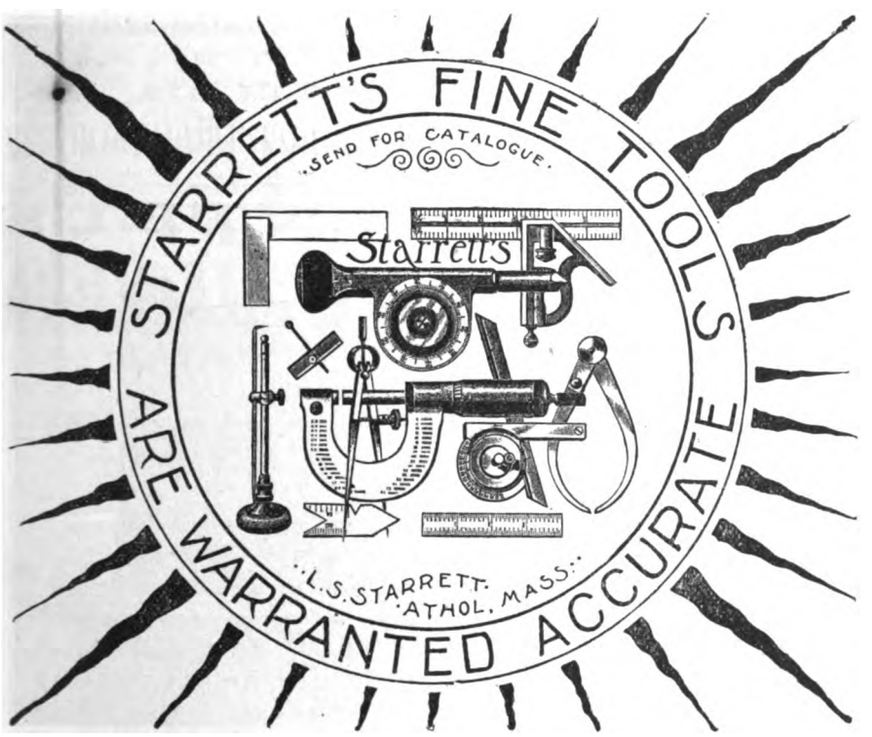
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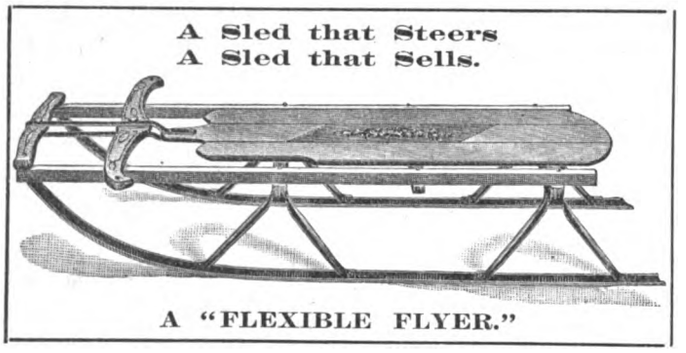
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TIME

WILL

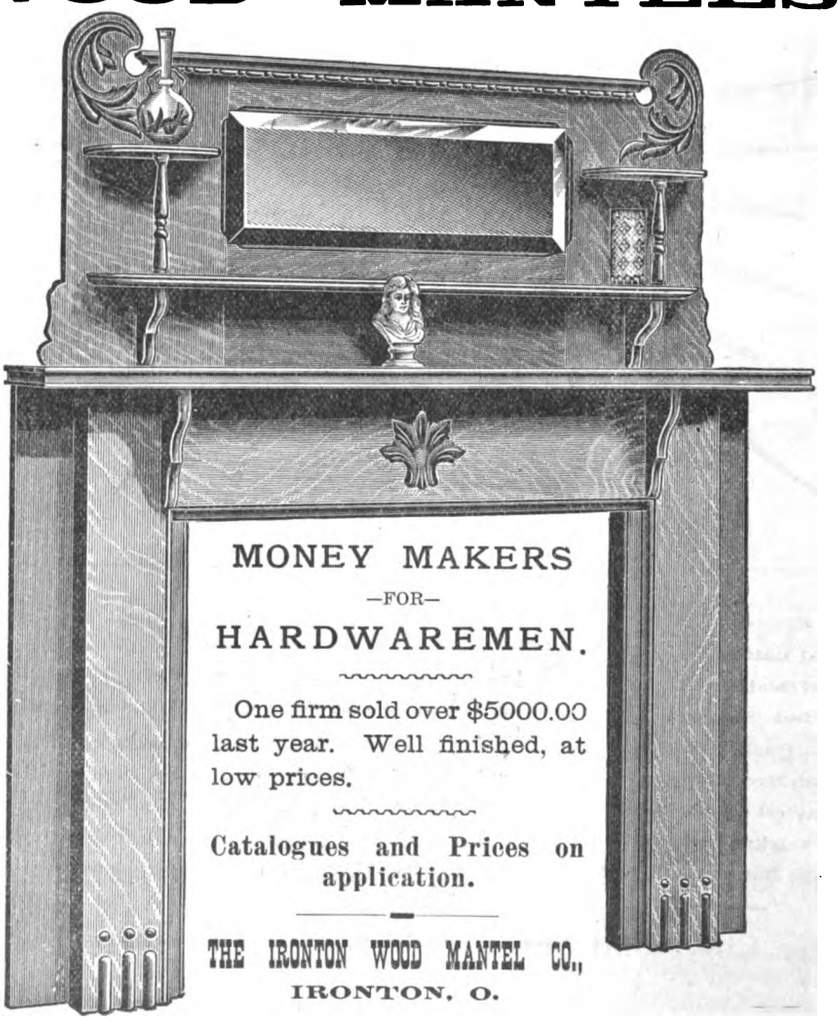
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

WOOD MANTELS.



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ESTABLISHED 1828.

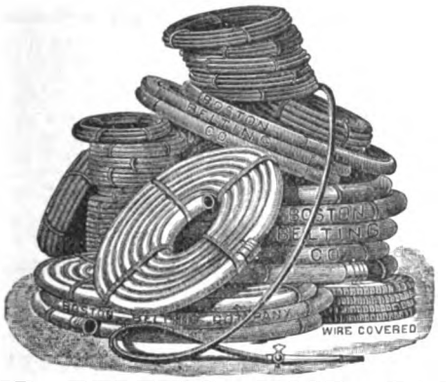
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



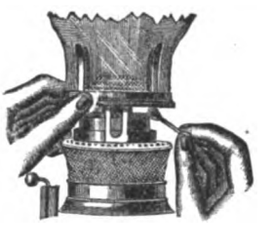
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

—Salesrooms:—

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90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
127-9 S. Meridian St. Indianapolis, Ind
287 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
890 East Water St. Milwaukee, Wis.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,* Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for Our Little Book.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

NEW .22-CALIBRE GALLERY —AMMUNITION!—

The result of exhaustive experiments prove it to be the most reliable and accurate cartridge ever produced. It has been generally adopted by all the first-class galleries, and the best known marksmen have voluntarily testified to its superiority.

MANUFACTURED BY THE

UNITED STATES CARTRIDGE CO.

LOWELL, MASS.

"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

MILLBURY, MASS.

The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

TWO PRIZE MEDALS,

No. 1098 and No. 1099, AT WORLD'S FAIR.

Buyers are cautioned against any parties who claim a recent connection (or any connection for over 31 years) with Buck Bros., or who represent goods as our make not stamped with the BUCKS' HEAD or BUCK BROTHERS in full.

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OF ALL KINDS.

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P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST. NEW YORK. 109

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

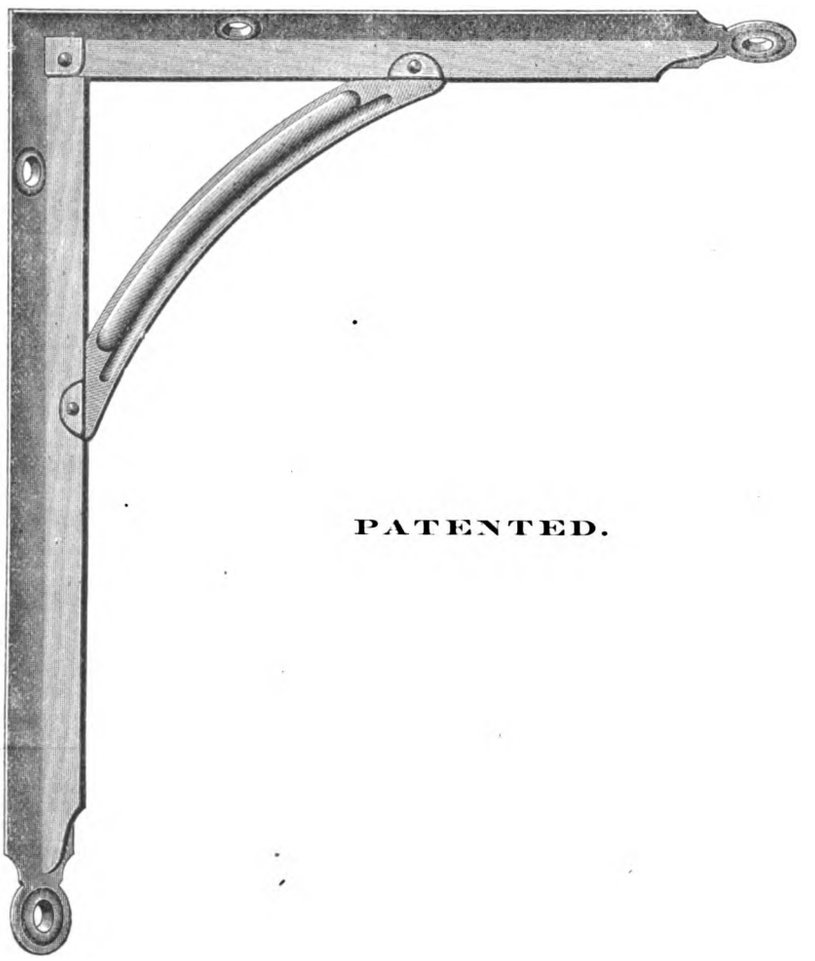
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A Perfect Shelf Bracket

—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



PATENTED.

As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

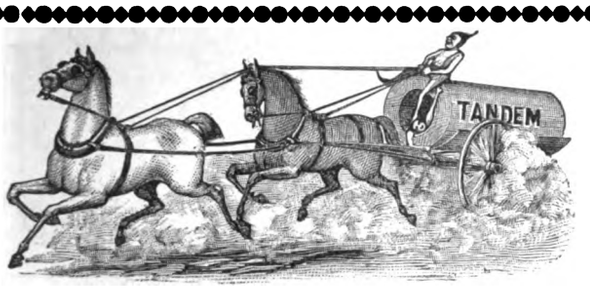
2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

THE STANLEY WORKS, New Britain, Conn.
79 Chambers St., New York.

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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing

It is easier to lay than ordinary roofing and it makes a better roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet. Such courses are particularly useful in gutters and valleys.

It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

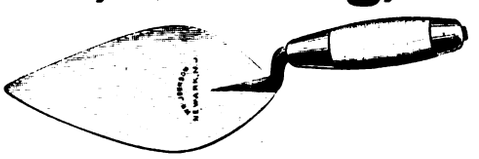
It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges, double handling, and time If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made

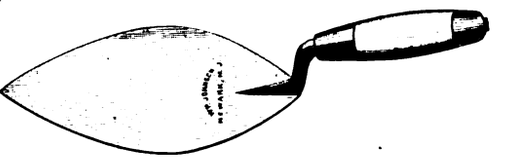


MERCHANT & CO., INCORPORATED, PHILADELPHIA: 517 Arch Street. CHICAGO: 202 Lake Street. BROOKLYN: 584-86 Flushing Ave. NEW YORK: 247 Pearl Street.

Brick, Pointing, Plastering AND Corner Trowels.



BOSTON PATTERN.



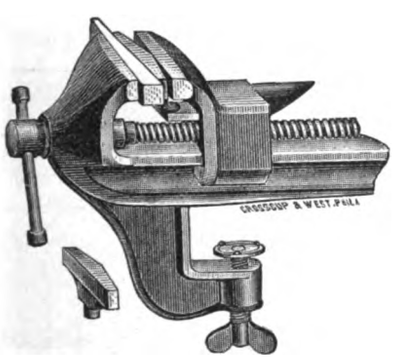
LOWELL PATTERN.

Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Screwdrivers, Dividers, Conductors' Punches, Revolving and Spring Punches, etc., etc. If you want good articles, insist on your Jobber sending you William Johnson's Goods.

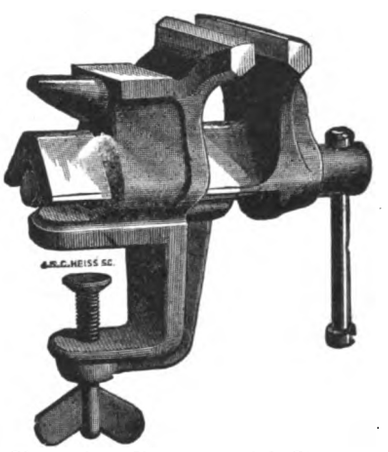
——For Illustrated Catalogue and trade discounts, write to——

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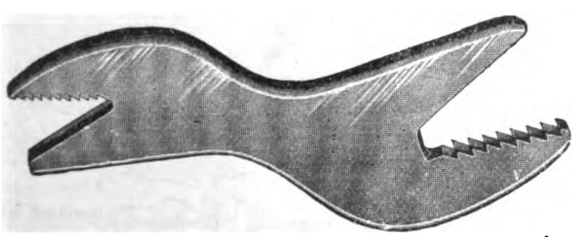
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Domestic, Nos. 5 and 7,



Champion, No. 112, with Clamp.



Always Ready Wrench.

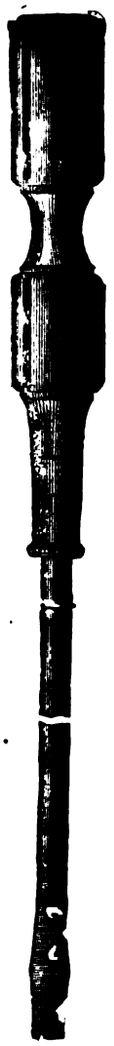
Alligator Wrenches,
Solid Parallel Vises,
Saw-Filers' Vises,
Steel Lathe Dogs.

Write for Catalogues and Prices.

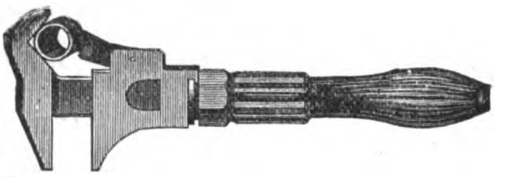
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P. O. Box 1042. 113 Chambers Street, New York.

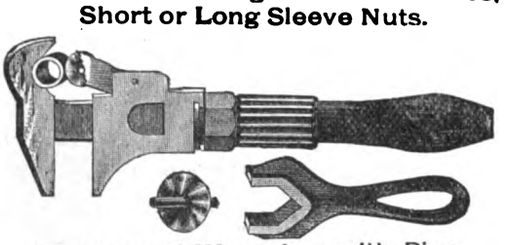
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Champion Screw Drivers (Machinists').

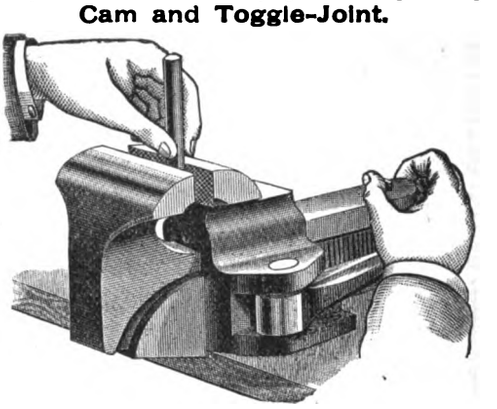


Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

CHAPLIN'S PAT. PLANES.

CHALLENGE PLANES.

EXCELSIOR EXPANSIVE BITS.

WOOD'S PAT. EXTENSION LEVELS.

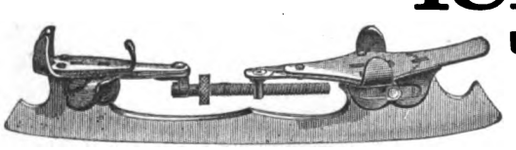
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PADLOCKS, ETC.

MANUFACTURED BY **TOWER & LYON,**

95 Chambers & 77 Reade Sts., - NEW YORK.

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UNION HARDWARE CO.'S RACING SKATE,

CALLED THE

DONOGHUE RACING SKATE.

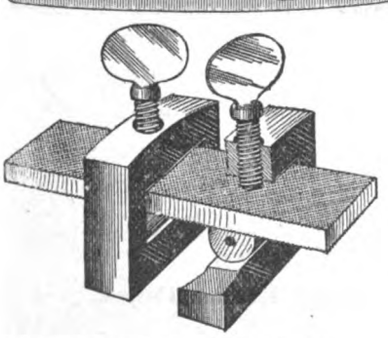
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article

Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine snop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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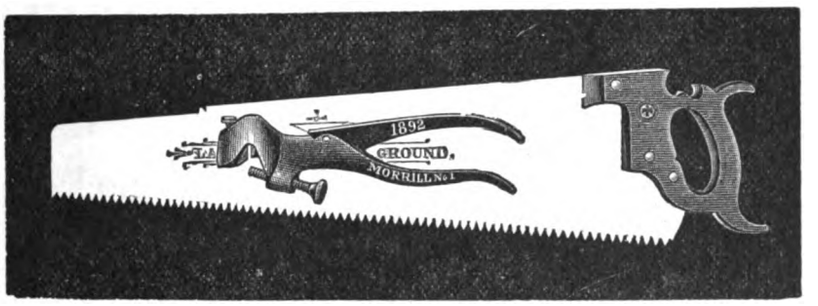
UNION HARDWARE CO.,

NEW YORK OFFICE in charge of TOWER & LYON TORRINGTON CONN.

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BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
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CHARLES MORRILL, 35 WARREN STREET, NEW YORK.

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NEWARK, N. J.

SAWS

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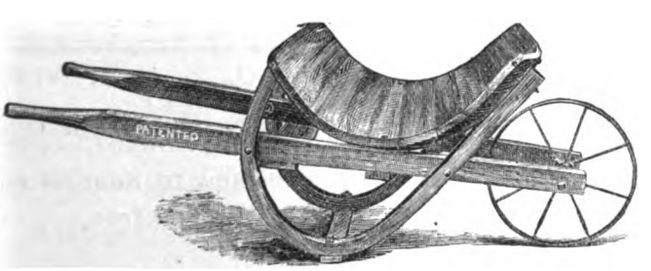
CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



—: A FULL LINE OF :—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.
Write for Catalogue and Prices.



Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE

Toledo Wheelbarrow Works, Toledo, O.

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ESTABLISHED 1842.

ARCADE TRADE MARK

WARRANTED FILES AND RASPS.

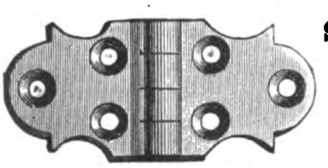
EASTERN OFFICE, NEW YORK. FACTORY, ANDERSON, IND. WESTERN OFFICE, CHICAGO.

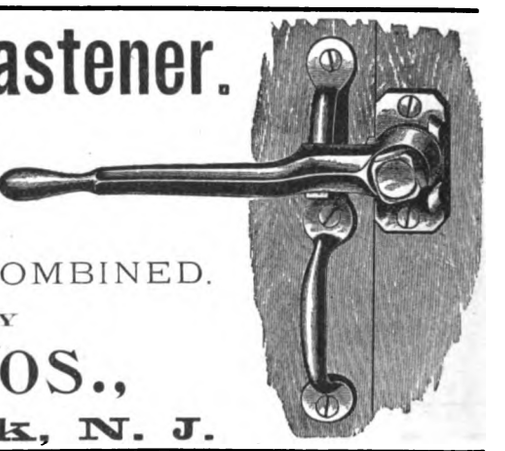
THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

Climax Refrigerator Door Fastener.





Simple,

Durable,

Practical.

HANDLE and WEDGE COMBINED.

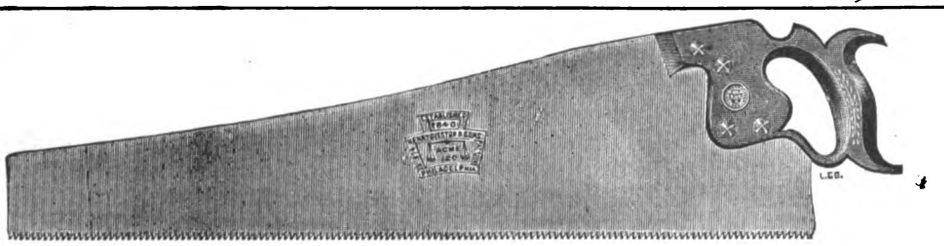
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SEND FOR OUR LIST.

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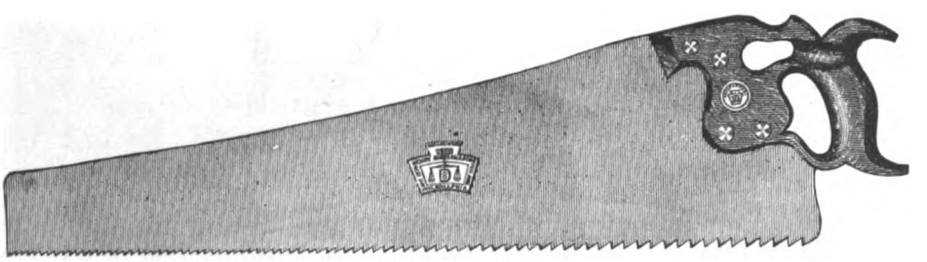
BRABSON BROS.,

Newark, N. J.

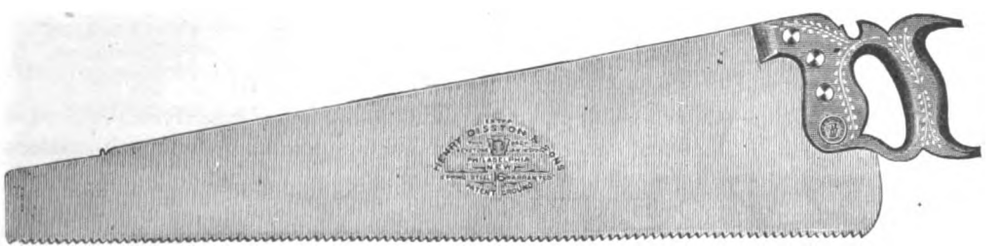


DISSTON'S "ACME" No. 120 HAND SAW.

Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

*** ——EVERY SAW FULLY WARRANTED.—— ***

Henry Disston & Sons,

(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

Carried in stock by all Jobbers.

NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.



This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

NEW HAMMERLESS DOUBLE GUN,

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER,

MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. Price Very Low.

IRON AND BRASS Castings

NICKEL AND BRASS Plating.

Light Machinery & Machine Work.

Specialties wanted to manufacture.
Estimates Furnished.
Correspondence Solicited

C. H. ANGUS, Albany, N. Y.

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contributes to success, without faith you will be blind to good results.

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THE PARKER GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

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SICKELS, SWEET & LYON,

WHOLESALE HARDWARE,

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WINSLOW SKATE CO.,

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UNION STEEL SCREW CO.

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CENTENNIAL EXPOSITION
AT PHILADELPHIA.

WORLD'S COLUMBIAN EXPOSITION
AT CHICAGO.

HIGHEST AWARD

TO THE

PUTNAM

HOT-FORGED AND HAMMER-POINTED

HORSESHOE NAILS.

CALIFORNIA MID WINTER INTERNATIONAL EXPOSITION.

PUTNAM NAIL CO.,
Boston, Mass.

GENTLEMEN:—The official list of awards of the American Exhibitors has been handed to me to-day by the Director General, and I am pleased to notify you officially that your exhibit, at the California Mid Winter International Exposition, has received the first award for horse shoe nails. The first award is a gold medal.

Yours respectfully,
EDWARD SCOTT,
U. S. Commissioner.

Send For Samples of Hot-Forged and Hammer-Pointed Nails to

PUTNAM NAIL CO., NEPONSET, BOSTON, MASS.

ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

TIMES' BUILDING, NEW YORK.

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

We offer no old style stock.

We warrant our goods against

Reasonable Damage.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

EVERY PAIR OF OUR ICE SKATES IS

Put up in a Pasteboard Box.

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HARDWARE

A Review of the American Hardware Market,
Specially Devoted to the Retail Trade.

PUBLISHED ON THE 10th AND 25th OF EACH MONTH

BY THE

HARDWARE PUBLISHING COMPANY.

NEW YORK, (Main Office,) 143 Chambers Street.
CHICAGO, (Western Office,) 60 Wabash Avenue.
CINCINNATI, - - 904 Neave Building.
LONDON, (European Office,) 9 & 11 Fenchurch Ave., E. C
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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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The new tariff on anvils and chains has reduced the price of those articles three-quarters of a cent per pound. It, however, admits a greater variety of goods than before, the new schedule favoring this change in affairs.

Business Disturbances and Politics.

The question has once more arisen: "Why should what is going on in the political world affect the man of business affairs?" It is, and ever has been, one difficult to answer. The first result of mooted change in governmental authority, is a disturbance in finances. Trouble in Argentina, the health of the Czar of Russia, the assassination of the president of France, are events which are used by speculators to depress the securities of the world. The public press, in its eagerness to obtain news, and that quickly, generally exaggerates the probable results of the event; and, as the fears of man are three times greater than his hopes, a fever of mild or greater alarm spreads throughout the business and financial world.

In the United States, it is the fear that a change would upset the financial policy of the government, and that a disturbance in values would take place which, in their readjustment, would affect everyone, from the day laborer to the millionaire. Take, for instance, the change in the last administration. Immediately upon the result of the election being known, values began to shrink; then the agitation for the repeal of the Silver Bill came along, and, that settled, it was confidently predicted that the panacea for our woes would be found. But it was not so. The tariff legislation came to the front, and everything stopped. That was settled, and a spurt of activity sprung up, to be partly dissipated until the result of the autumn elections shall be known.

We believe, however, as a Chambers Street merchant put it the other day, that "these causes are more apparent than real; they are more or less excuses for the present state of business." The man who never thinks, and that other who is too busy to think, see a bad state of business, and vaguely ascribe it without properly analyzing the cause, to almost anything that may be happening in the political world.

The truth of the matter is that other forces are at work more potent than those of a political nature. A quarter of a century ago the great cry was 'Go West, young man," and in consequence the production of wheat was increased so largely that now prices are so low as to be almost ruinous. Manufacturers, in their turn, have been stimulated to the extent that home consumption is not equal to the task of absorbing the product, and export markets have to be found. Of course, to do this, prices have to be reduced to a point that the outside world will be willing to meet.

Happily, this process is about completed, and the mechanic is again becoming busy. He may not be doing in amount of wages as well as he did ten years ago, but he is eating fifty-cent wheat, and his clothing costs him very much less; and, outside the matter of rent, he is doing much better in every purchase he may make. He is again getting a little money ahead, and will soon buy a few luxuries. Thus he sets another man to work, and in this way one wheel in the economical world starts a second and third, and soon everything that occurs in the political world will be used as an excuse for the prosperity that is bound to succeed the late depression.

The Associated Ohio Hardwaremen.

The movement which found its inception in the Hardware Club of New York is spreading onward and outward, with results of a most encouraging and beneficial character. We have from time to time noted the organization of Hardwaremen into bodies, the purpose of which is better acquaintance among those engaged in this great line

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of industry, and the securing for the trade of such benefits as must of necessity come from compact and effective organization. The latest report comes from the great State of Ohio, where, at the capital city on October 10th, was formed the Ohio Hardware Association. Elsewhere we are pleased to give the details of this organization, the list of officers, constitution, etc. A series of resolutions prepared and sent forth in the name of the new organization, which are also given, furnish the foundations upon which the organization is erected. Section 2 tells the whole story in a nutshell, where it is stated that "the object of this association shall be to promote the interests of all and to secure the friendly co-operation of Hardware dealers." The movement has already sufficiently advanced to insure its success, and as the Ohio Hardwaremen are in the habit of accomplishing whatever they undertake, we certainly expect to see the membership increased rapidly, and that the next annual meeting will see each of the eighty-eight counties of the great Buckeye State adequately represented. We desire to congratulate the trade of our great sister State, and to hope that the expectations so fully stated at the gathering at Columbus will be more than realized.

The Charles Parker Co., Meriden, Conn., with New York salesrooms at No. 97 Chambers Street, feel that in their new Oil Heaters some points have been covered which are of prime importance in an article of this character. They have paid great attention to necessary details, obviating, as they claim, the giving off of offensive odors, and the liability of becoming heated to a dangerous degree. In offering this line to the public, the company maintain that they have produced an article that amply sustains their high reputation for good goods. They add that these articles "combine in a marked degree beauty in design, excellence of finish and superior workmanship." They are powerful heaters and are fully warranted in every respect. Further details as to prices, etc., can be obtained by application to either their Meriden or New York offices.

The diagram of the spaces for exhibitors at the Bicycle Exposition to be had at the Madison Square Garden in January, has been published and is being distributed. The aggregate of the rentals will amount to over $60,000. The committee in charge of the space for the Sportsmen's Exhibition claim the aggregate of their rentals will be far less, approximately $20,000. This latter exposition will, as is well known, take place in the Madison Square Garden. The spaces in the latter exposition vary from sixty to two hundred and fifty feet, but these can be sub-divided at the will of the exhibitor into eighths and quarters.

The Reading Hardware Exchange is an organization of the Hardware establishments of Reading, Pa. It has recently come into being, and has for its object those beneficial purposes which hold in the case of all of the Hardware associations recently formed, and among these the promotion of an acquaintance within the trade holds a prominent place. The officers of the Exchange are: President, D. D. Lerch, of Bright & Lerch; secretary and treasurer, George Bard, of Bard, Reber & Co., and secretary of prices, Aaron Stein, of the Stichter Hardware Co.

The Putnam Nail Co., Boston, Mass., on the evening of October 10th, tendered a complimentary banquet to the Master Horseshoers' National Protective Association. It was given at the Quincy House in Boston, and was in every respect an enjoyable and successful affair.

Manufacturers of tacks report that trade keeps up well, quite equal to that of previous seasons, the volume of orders being very satisfactory.

New Members of Hardware Club.

The following gentlemen have been unanimously elected members of the Hardware Club since our last report:

Benjamin Atha, Newark, N. J.

Charles B. Clark, Wallace & Sons.

F. W. Coolbaugh, No. 256 Broadway.

Esek Cowen, No. 253 Broadway.

Charles F. Droste, No. 74 Warren Street.

W. R. Eliot, Meriden, Conn.

Charles A. Holbrook, Edward Miller & Co., No. 10 College Place.

Fred. L. Stellwagen, Reading Hardware Co., No. 76–96 Reade Street.

George A. Wies, Eureka Fire Hose Co.

Increase of Stock of the Stanley Works.

The stockholders of the Stanley Works, New Britain, Conn., held a special meeting October 9th, and voted to increase the capital stock of the company from $400,000 to $500 000. This corporation had its inceptian in a comparatively small manufacturing business established by Frederick T. Stanley in 1842. From this a joint corporation was formed in 1852, with a capital of $30,000. The business grew continuously, with necessary additions to the capital stock, and in 1871 a large factory was built. Again and again additions to the plant were made, and now the frontage of the factory is over five hundred feet, and the building is five stories high. While the products of the factory find a ready sale in every part of the United States and Canada, a good export business has been built up with Mexico, South America, China, Japan and Australia. The officers of the company are: William H. Hart, president and treasurer; Peter McCartee, vice-president; L. Hoyt Pease, secretary, and George P. Hart, assistant manager.

After a Charter.

Application for a charter has been made by the Philadelphia Hardware Merchants & Manufacturers' Association, William W. Supplee, president; Samuel Disston, vice-president; T. James Fernley, secretary and treasurer. The following are managers: Charles M. Biddle, John R. Griffith, Hugh McCaffrey, Charles M. Ghriskey, Fayette R. Plumb and Elmer E. Brown. The following resolutions have been sent the Philadelphia councils by the Association: "*Whereas*, The introduction of rapid street car service at grade without fenders is a great menace to life; and *Whereas*, We have frequent accounts of some fatal accident; therefore be it *Resolved*, That we urge upon councils the necessity of taking prompt action compelling railway companies to equip their cars with suitable fenders."

The Cleveland Twist Drill Co., Cleveland, Ohio, take no small pride in quoting to their friends the award granted them for the exhibit at the World's Fair: "Most Extensive Exhibit and Greatest Variety of well made Twist Drills, exhibited as they are manufactured and furnished to the trade. The workmanship on all of these Drills is of the highest order, and especially meritorious are the Twist Drills in Millimeter diameters."

Moore & Booth, whose extensive steam planing and moulding mill is located on Mason and Myrtle Streets, Taunton, Mass., have opened at No. 23 Cohannet Street, in the same city, a retail store, for the sale of builders' Hardware, house finishing goods, mouldings, mantels, and the products of their mills generally.

Hanlon Bros., of Medina, N. Y., Hardware dealers, own what is claimed to be the most expensive stove in the world. It is gold plated and cost $960. This stove was exhibited at the World's Fair. Does anyone know of a costlier?

Taking the New England Hardware manufacturers as a body, and we find the gratifying fact that they are already doing sixty per cent. of the business of normal times.

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Peter McCartee.

AN HONORED AND PROMINENT REPRESENTATIVE OF THE HARDWARE TRADE.

The portrait presented upon this page to-day would be recognized by a large portion of the trade, were no name whatever attached to it. For nearly half a century, as boy and man, Peter McCartee, of the Stanley Works, has been a conspicuous figure in the Hardware trade of New York City, and his acquaintance in that trade is bounded only by the boundaries of our country. Of his qualities it is hardly necessary to speak at length. The affectionate friendship in which he is held by everybody, answers all the questions that might be asked upon that point.

Mr. McCartee was born in New York City, and with the exception of a short period of time, has spent his entire life in this city. The family of which he is a part, has been long and favorably known in America, his ancestors upon his father's side having come from Scotland to New York City about 1750; and those upon his mother's side also came from Scotland some forty years later.



Mr. McCartee commenced his business career in March, 1848, being employed as a boy in the Hardware store of Wetmore & Co., who were located on the corner of Vesey and Washington Streets in this city, and who handled all forms of Hardware, iron and steel He there spent three years in active and arduous labors, as the clerks in those days were compelled to work from six in the morning until seven in the evening, or later; and it was considered a part of a liberal business education for a youth that his duties should combine severe physical labor in the handling and delivery of goods, with such mental discipline as might be crowded into the hours named. As his father, who was a minister, became pastor of a church in Newburgh, N. Y., the boy accompanied him to that city at the end of the three years, and obtained a position in the Hardware store of John K. Lawson, situated on Water Street. He remained three years there as a clerk, and in 1853 returned to this city, where he accepted a position with Cornells & Willis, at No. 36 Cortlandt Street. They were Hardware jobbers, doing a large Southern and Western business. His position was that of clerk, and buyer for the stock of American Hardware. In 1857, Mr. McCartee, as a matter of business promotion, commenced his connection with the Stanley Works as their New York agent—a connection which has continued with confidence and esteem upon both sides for over a third of a century. In addition to representing the Stanley Works as their New York agent, he also represented an association of manufacturers from Connecticut, among whom were Hall & Knapp and A. Stanley & Co., who were afterward consolidated and are now known as the Stanley Rule & Level Co.; Landers & Smith, who are now known to the cutlery world as Landers, Frary & Clark; and Roys & Wilcox, manufacturers of tinsmiths' tools and machines, who are now known as the Peck, Stow & Wilcox Co., and Humason & Beckley, who are now the Humason & Beckley Mfg. Co. He also represented Sheble & Fisher, of Philadelphia, whom he still continues to represent as Sheble & Klemm.

Mr. McCartee continued with most of these concerns until about 1868, when he gave practically his entire time to his position in connection with the Stanley Works. He became a stockholder thereof prior to 1860, and some six or eight years ago was elected vice-president, which honorable position he yet holds. It is needless to say to those who know Mr. McCartee that he has given his whole time and attention to the business duties imposed upon him, and that most effective results have followed his labors; and in New York City the name of the Stanley Works and Peter McCartee are regarded as synonymous terms.

Mr. McCartee has ever been enthusiastic and industrious in advancing any movement which had for its purpose the improvement and elevation of the Hardware trade. When the idea of the great Hardware dinner of 1892 was proposed, he was made a member of the dinner committee, and labored in season and out, to secure the great success which attended that effort, as he also did in connection with the dinner of the year following, and he had the honor of presiding at a table upon both of these occasions. When the idea of the New York Hardware Club grew out of these dinners, he turned in loyally and did everything in his power to place it upon a sure foundation, and to insure its success from the very beginning. He was elected a member of the original board of governors, and has been a member of said board continuously since. When the House Committee was formed he was appointed chairman of the same. Few have any idea of the immense amount of labor performed by this committee, in the fitting up and furnishing of the club rooms; the securing of help; the making of contracts, and the carrying to a perfected completeness of the thousand and one things which pertain to an enterprise of that character. Mr. McCartee's personal impress has been made for all time upon the club by his labors in that position, and the good judgment and artistic taste shown by him and his associates in the selection of carpets, furniture, adornments, etc., are patent to anybody who visits the club room. After the work of furnishing the club room was practically done and the contracts given out, Mr. McCartee, who was then in ill-health, from which we are glad to say he has recovered, felt that he had earned a period of rest, and much against the wishes of his associates upon the committee and the members of the board, he was permitted to resign from those labors and was succeeded by Eugene Bissell. Mr. McCartee is still doing excellent work as chairman of the committee on admissions, which position he has held from the beginning of the club.

Mr. McCartee lives in Brooklyn, where he has resided since 1853, and has for years been a recognized part of the social life of that city. He is connected with the Church of the Pilgrims the pastor of which is the famous Dr. Storrs. In all his relations of life, as in those of business, Mr. McCartee has been guided by high principles, a just view of things and a desire to do his whole duty to every trust committed to his hands. In

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these later years he is still as active as in the beginning, and there are few men to-day prominent in the Hardware world, who command the love, respect and confidence of all who know him in as high a degree as does the modest gentleman, who will be surprised beyond measure to discover himself embalmed in Hardware history in the above brief and inadequate sketch.

Ohio Hardware Association.

On October 10th, at a meeting held in Columbus, Ohio, the Ohio Hardware Association was formed. Thirty-four counties of the State were represented, and the proceedings were of a nature to give great encouragement to the originators of this movement. The following officers were elected:

President, T. J. Morris, the W. K. Boone Co., Lima, Ohio.

Vice-president, F. M. Bashore, Paulding, Ohio.

Secretary and treasurer, Theodore Butler, the Standard Hardware Co., Akron, Ohio.

Members of Executive Committee, J. H. Kauke, Van Wert, Ohio; F. Haberman, Marion, Ohio.

The purpose of the organization is set forth in the subjoined preamble and resolutions which were adopted, and in the newly-adopted constitution which follows the same:

At a preliminary meeting of Hardware dealers, held at Columbus, Ohio, on the above date, an organization was perfected, called "The Ohio Hardware Association."

The need of organized effort to protect ourselves from inroads of manufacturers and jobbers, and to promote a general feeling of confidence is fully recognized.

Resolved, That we demand of manufacturers and jobbers that they confine the sale of their wares to regular dealers and that each and every member of this Association pledge himself to use all reasonable efforts to enforce this demand.

Resolved, That if any manufacturer or jobber furnish goods to anyone not regularly engaged in the retail trade, the dealers affected shall report the same to the Secretary, with affidavits or other proper proofs. The Secretary shall then correspond with the offending manufacturer or jobber, and endeavor to adjust the matter, and in the event of failure to so adjust a complaint, where the evidence is conclusive, the Secretary shall report the facts in the case to the members of the Association.

Resolved, That a cordial invitation is hereby extended to all regular and legitimate Hardware dealers to join with us in this Association, and that they send to the Secretary the amount of dues for one year, and receive their certificate of membership.

Columbus, Ohio, October 10, 1894.

CONSTITUTION.

ARTICLE I.

SECTION 1. The title of this organization shall be "The Ohio Hardware Association."

SEC. 2. The object of this Association shall be to promote the interests of and secure the friendly co-operation of Hardware dealers.

ARTICLE II.—QUALIFICATION FOR MEMBERSHIP

Any person or firm who is engaged in the Hardware business, is in good standing, and carrying a general assortment of stock, may become a member of this Association by subscribing to the Constitution and paying the annual dues prescribed by By-Laws.

ARTICLE III.—OFFICERS.

The officers shall consist of a President, a Vice-President, a Secretary and a Treasurer, which officers, with two other members of the Association, are the "Executive Committee."

ARTICLE IV.—ELECTION AND DUTIES OF OFFICERS.

SECTION 1. The President, Vice-President, Secretary and Treasurer, and the two other members of the Executive Committee, shall be elected annually, by ballot, each firm to have one vote.

SEC. 2. In case of a vacancy in any of the offices of this Association, the same shall be filled by appointment by the President, until the next annual meeting.

SEC. 3. It shall be the duty of the President, or in case of his inability to serve, of the Vice-President, to exercise supervisory control over the affairs of the Association, and to carry out and enforce all measures adopted by the Association calculated to improve the condition of the Hardware business.

ARTICLE V.—MEETINGS.

The regular meeting of this Association shall be held annually, on the second Wednesday of February, or as often as may be designated by the Association. The Executive Committee is subject to the call of the President.

ARTICLE VI.—AMENDMENTS.

Amendments to the Constitution may be made at any regular meeting by the vote of at least two-thirds of the members present. Thirty days' notice shall be given to the members of any proposed change in the Constitution or By-Laws.

ARTICLE VII.—AUDITING COMMITTEE.

An Auditing Committee of three shall be appointed the first day of each annual meeting, which shall examine the books of the Treasurer and report their condition to the Association.

BY-LAWS.

SECTION 1. The admission fee to membership shall be $3, in advance, which fee shall cover all dues for the first year. Each firm shall pay for current expenses thereafter $3 annually; payable at regular meeting.

SEC. 2. Ten members at any meeting shall constitute a quorum.

SEC. 3. Each firm shall have one vote.

Prepare for the Clipping Season.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, have had produced, at great expense, elaborate illustrations on a large scale, suitable for show cards, which may be used by their customers to great advantage. These illustrations of the different machines sold by this company are very large in size—about seven by ten inches. They supply printed show cards from these large cuts, which show the Hand Power, Bicycle, Steam or Electric Power machines, on a large scale, on colored card board, with name and address of the parties ordering cards at the rate of $5 per hundred. These cards are suitable to tack up in stables, blacksmith shops, fences and any other conspicuous place as an advertisement of their business. Business cards are also supplied of ordinary size at the rate of $5 per thousand, or $3.50 for five hundred, with any desired reading matter. There is nothing that will promote the interests of the business of horse clippers so well as that of advertising. Send for large illustrated sheet, showing the different designs, which is sent free to all the users of the Gillette Clipping Machine. Also send for catalogue, which beautifully illustrates everything in their line. Now is the time to prepare for the clipping season, which will continue until about May 1, 1895.

Price List on Screwdrivers.

William Johnson, Hedenberg Works, Newark, N. J., has issued a new Price List of his Screwdrivers, as follows:

The attention of the Hardware trade is called to the extensive line of first-class forged steel Screwdrivers shown on this price sheet. Our long experience enables us to produce articles of superior quality. They are all carefully tested and are guaranteed. We make our own handles.

List No.	13.	A. Flat Blade	Discount per cent.,			70&10
" "	135½.	" " Extra	"	"		70
" "	138.	" " Ebonized Handle	"	"		70
" "	140½.	Round Blade, Flat Handle	"	"		70
" "	142½.	" " " Ebonized Handle.	"	"		70
" "	141½.	" " Ideal	"	"		75
" "	141.	" " Extra	"	"		70&10
" "	142.	" " " Ebonized handle.	"	"		70
" "	143 & 44.	Rosewood Handle	"	"		40
" "	143 & 144.	Ebonized "	"	"		60
" "	143 & 144.	Rosewood Finish Handle	"	"		60
" "	14 .	Handles.	"	"		50
" "	148	Sewing Machine	"	"		70
" "	50	" "	"	"		60

All Screwdrivers can have handles riveted on at an extra cost added to the net price of each.

For plain handles	per dozen,	25 cents
For ebonized and rosewood finish handles	"	30 "

Rogers & Hamilton, Waterbury, Conn., furnished the silverware used in the New York Hardware Club, a fact which has been pleasantly impressed upon the minds of all who have had the pleasure of dining in that well-known headquarters of the Hardware trade. Several gentlemen have been so struck with the quality of that ware that they have successfully negotiated with the company for purchases for their own use. This speaks well not only for the character of goods manufactured by the company, but for the artistic eye and good judgment of the gentlemen named.

The Charles Parker Co. have on exhibition in their office on Chambers street, their new Oil Stove. As an evidence of the intense volume of caloric radiated from this heater, Mr. Bernard is said to be open for proposal for an electrical fan plant, to counteract its over-heating effects.

HARDWARE costs only One Dollar a year.

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Six Letters To a Clerk.—V.

TELLING TALES OUT OF SCHOOL

One of my friends in the wholesale trade came to me as I was about to start on a trip selling goods, saying: "You can do me a favor, if you will; I constantly hear it said that I am selling a great many 'seconds,' and I find it is damaging my trade. If it was told by my competitors I could fight against it, but, somehow, it sticks too well for a mere trade story. When you get among any retailers who have bought of me, I wish you would feel around, and if they have heard any such tales, try and learn how they first came to them, and you will do me a favor."

I promised to oblige him, but was in danger of forgetting it, until one day I overheard a merchant talking to a drummer. The merchant answered a remark I had not heard, observing: "Your price is high; So-and-so offered the goods for less." "Pooh," said the salesman, "you know the goods that he sells; *we* don't deal in seconds." When it came my turn to do a little drumming, I finished my own business, and then I began to enquire on my friend's account. I asked:

"You buy some goods of 'So-and-so?'"

"Oh, yes; but not many."

"Isn't he on the square?"

"To tell the truth, I never had anything from him that was not all right, but I believe he handles a good many seconds, and I don't care to get any."

I professed surprise at this, saying I knew him to be a shrewd merchant, much too shrewd to sell seconds for firsts.

"Well," said my customer, "I didn't take much stock in it at first, but his own traveling man admitted it, and I conclude it is true."

I dropped the matter, but when I had opportunity again I examined others and found the same answer, that So-and-so's traveling man had admitted it.

My friend was much surprised when I told him who was authority for the stories circulating among the trade, but he satisfied himself of the truth of it and promptly discharged the man. Now, the truth was, he had no more seconds in stock than other houses in his line carried, and what he bought for seconds he sold as such; but the salesman, having lost a customer by selling him seconds at the price of firsts, had found it convenient to tell of the incident so often that nearly all his cronies had heard of the story about the "seconds;" and when he was through telling the tale, all that his hearers remembered was that his house sold seconds. As I said, he lost his place, and could not get another in so responsible a position in the city.

Not long since I met the bookkeeper of a merchant who was in rather deep water, and whom a very slight push might push beyond any power to save. While we were talking, another man joined us, and, turning to the young man, asked:

"How is M. getting along in his affairs?"

"Ain't getting along at all," was the answer.

"Won't he pull through?"

"He thinks he will."

"What do you think?"

"I think it's six of one and half a dozen of another."

Within an hour the questioner had put his claim against M. into the hands of a lawyer. It was promptly brought before a justice, and before night it was known to several that M. had been sued. Now, notice how things had worked. M. had made arrangements with a banker to help him over the crisis, and the matter was to be closed the next morning at nine o'clock; but in the meantime M.'s clerk had said what he never ought to have said, brought his employer before the court, and frightened the banker from helping him. The merchant had to make an assignment.

Said a merchant to me while we were talking on this subject: "Boys will blab, and you cannot help it. I remember one of my clerks destroyed a very pretty trade I once had in a patent saw. I had no monopoly of it, except from the fact that none of my competitors kept it. I went to work quietly and built up quite a trade on it, a trade that paid me a couple of thousand dollars in the season. I cautioned my traveling men to talk about the saw only to our customers, and to do no outside bragging. But I overlooked my entry clerk; I didn't suppose he was going to go up and down the street telling of the saws we sold, but that is just what he did. He fancied it added to his importance to show that the house was doing a big trade, and so he kept up an admiring tale of our trade in saws, often telling this when among the clerks of my competitors. It was not long till I found the saw with the other houses, and then my sales and profits began to drop. That boy's boasting cost me $1500 a year."

"And what did you do with the boy?"

"At first I thought I'd ship him, but he was a pretty good boy, and I concluded it would be a lesson to him, so I kept him; he's been as dumb as an oyster ever since."

These are a few instances that I recall where clerks have damaged their employers by talking too much; but I am satisfied the amount of harm done yearly to merchants by just such work as this is incredibly large. What our competitors say of us does very little good or harm; it is taken for what it is worth, and abundant allowances made for business rivalry. But this is not the case when our own clerks speak against us. A miserable little rat often sinks a beautiful great ship, and a merchant's well laid plans are brought to naught because a babbling clerk mentions them where they are carried to the ears of his competitors.

I doubt if merchants realize the extent to which their business is talked over by the clerks when out of the store. And there are two kinds of talking clerks, one hears a great deal and tells nothing of importance, the other tells everything and learns nothing; he talks for the love of talking, because he does not know any better.

The proverb tells of silence being golden, but it is a great deal more than that, it is gold—the pure metal. There can never come any good from telling about the business or the plans. If other clerks are interested in your story at all, it is only because they are picking up items about your business that they carry to their employers.

I noticed one of my traveling men in very close conversation with a competitor's clerk, one day, and I began to feel uneasy about it, not knowing what might be said about our affairs before the conference broke up. But my man came to me with a smile of satisfaction, a while afterwards, saying, "I was pumping Charlie to find out where their traveling man is." "Did you learn?" "Yes; and I'm going out to-night to head him off." I didn't have much respect for the clerk who had told.

I confess I cannot understand how a clerk can go on blindly talking about his employer's business with people outside of his store. If a sharp thing has been done in the store they tell of it as if it in some way added to their reputation for smartness. At a social call, one evening, it chanced that two clerks of rival houses were together. One of them, when conversation flagged, told of an incident that was rather laughable, where one of their men had got an order from a retailer's by a very sharp dodge, and so interested was he in his own story that he gave names and locations. The other clerk had a good memory and told the story in his office the next day to, among others, the traveling man, who, in turn, made a minute of it in his mind, and, when next in the store of the man upon whom the dodge had been played, used the story to such advantage that he got an order, and the other man got—the door the next time he came there.

I overheard a conversation like this once between two clerks, who met just a few feet ahead of me:

"How's trade, Jim?"

"Can't complain."

"Pho! that's what you always say."

"Well! Do you suppose if it was dull I'd say so?"

If I had known the boy I would have patted him on the back.

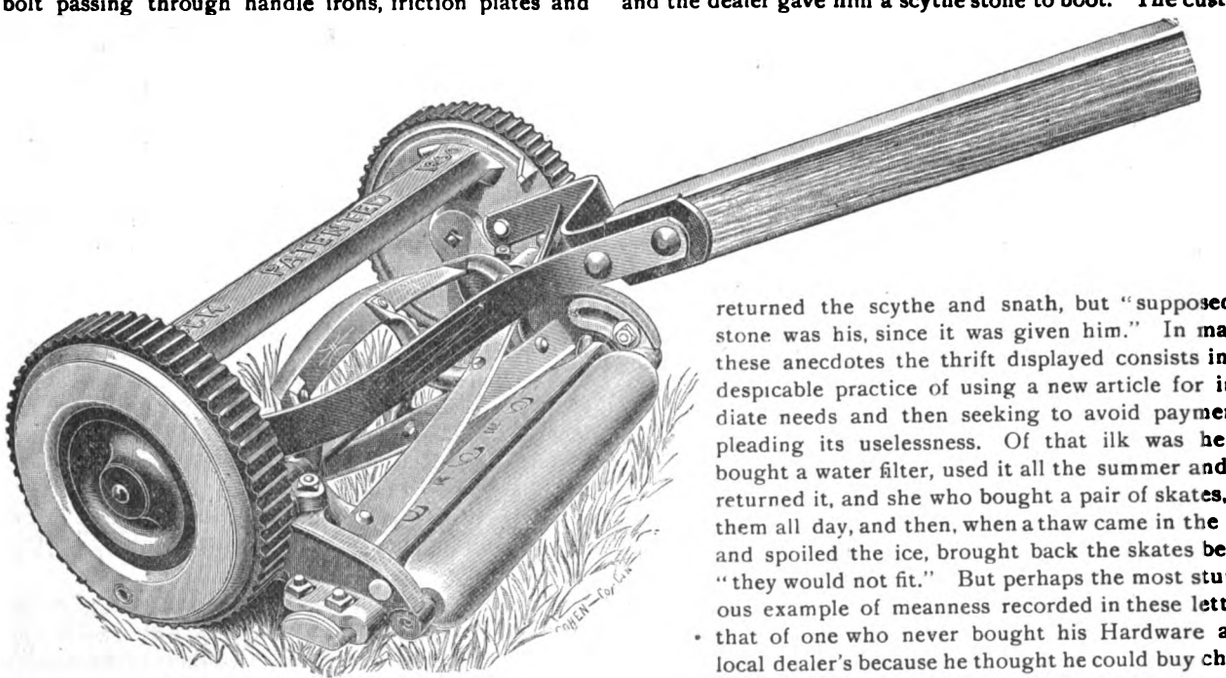
That merchants often let out secrets and damage their trade by boasting, I am well aware, but that is no excuse for the clerk; there is but one safe rule for him to follow, and that is to refuse to discuss business matters with anyone but the people belonging in the store with him, for he cannot know what advantage a competitor may get from some careless word dropped by him.

New York, October, 1894. AN OLD MERCHANT.

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Improved Henley Lawn Mower.

Attention is called to the accompanying illustration of the improved Henley Lawn Mower, made by the well-known manufacturer, M. C. Henley, Richmond, Ind. This Lawn Mower has won its place as a first-class, high grade machine, on its merits, and with recent improvements covered by patents lately issued, it is claimed by the manufacturer to be "one of the very best, most effective and desirable machines on the market." It is described as follows: "The frame is made very strong and rigid by means of an iron bar, extending from one side to the other, having a bearing at each end 1¼x2½ inches, and bolted solid to the side plates. The cutter-bar and boxes for the reel shaft are adjustable to compensate for wear. One of the most important improvements recently made on this Lawn Mower is the bronze boxing for reel shafts, making the very best and most durable bearings, and increasing to greatest extent its easy and light running qualities. The ratchet is without question the most simple, effective and durable in use. The teeth of main wheel and pinions are made in very best form for wear, as well as for light and smooth running. The adjustment of the handle is an important feature of the machine, being arranged at lower end with metal lining on each side of wooden handle, forming a friction bearing for the handle irons, the upper bolt passing through handle irons, friction plates and handle, the lower bolt passing through handle irons only, at end of handle. By tightening these bolts, a sufficient amount of friction is obtained to hold the handles firmly at any angle desired, and when the friction is once adjusted, requires no further attention, and is instantly adjustable for a child or grown person. This new and improved construction of the handle renders the machine not only very valuable for general lawn mowing purposes, but also specially adapts it for mowing embankments. The reel and cutter-bar knives are made of crucible steel, and, in fact, only the very best material is used in the construction of this machine throughout, and the workmanship is first-class." It is neat, well finished, and symmetrical in its proportions and design, and, with the important points of merit and superiority, given herein, and the well-known, high grade character of Hardware, machinery, tools and implements heretofore made by him, warrants the manufacturer in thinking that in this Lawn Mower he has something of value and interest to the jobbing trade, and would be glad to quote prices, terms, etc., to any who may wish.



English Comment on American Mean Men

We have already mentioned that our contemporary, HARDWARE, of New York, has been stimulating its readers into a sort of competition as to who could cite from personal experience the most flagrant example of meanness in a customer. The last issue that has reached us contains some dozen letters from correspondents each offering one or more examples of depraved attempts to "play it very low" on the long suffering Hardwareman. This effort to cap the experiences of others with stories which hold up humanity in a contemptible light may be rather cynical, but we must confess that we have read them all and derived no little entertainment therefrom. Most of the stories are new to us and are doubtless genuine occurrences. It would hardly occur to anyone, we should say, to invent that incident of a customer, worth some £15,000, who wanted a single-hole spring mouse trap and when nothing smaller than a two-hole trap could be found in the shop, insisted upon having this sawed in two and so saved half the cost. "Thrift! Thrift! Horatio"—and most of these specimens, dubbed petty meanness, would doubtless, in the estimation of those guilty of them, be regarded in a spirit of pride as evidences of a prudent and saving disposition. There was one man who bought a pair of shears for shearing mules and said if they suited him he would buy them. He brought them back the same evening and said they were "no good." Then came his brother and wanted a pair "just like Joe's," saying he had helped shear all Joe's mules and "they were the best shears he ever saw." He got the pair Joe had bought and returned when the job was finished. Another bought a scythe and snath and the dealer gave him a scythe stone to boot. The customer returned the scythe and snath, but "supposed the stone was his, since it was given him." In many of these anecdotes the thrift displayed consists in that despicable practice of using a new article for immediate needs and then seeking to avoid payment by pleading its uselessness. Of that ilk was he who bought a water filter, used it all the summer and then returned it, and she who bought a pair of skates, used them all day, and then, when a thaw came in the night and spoiled the ice, brought back the skates because "they would not fit." But perhaps the most stupendous example of meanness recorded in these letters is that of one who never bought his Hardware at the local dealer's because he thought he could buy cheaper at a neighboring town. Happening, however, to want some nails in a hurry, he went to the local dealer and *borrowed* a pound of nails until he could go to the town and buy some to replace them.—*The Hardwareman* (*London, Eng.*)

Railway purchasing agents are again coming into the market for supplies. The depression has caused with railroads a severe economy, and old material has been used up very rigidly, but the end to such a policy could not be forever postponed. Railway Hardware is a feature with many houses, and such have been rather dull within the past year. This description of Hardware is of the most substantial character, and it is difficult for the manufacturer who makes it a specialty to turn his attention to any correlative line.

A new development in builders' Hardware is in stamped up or embossed work, the process being to make the articles with a die out of sheel metal, applying the improvement to articles of steel and the higher grades of builders' Hardware. This process makes it much cheaper than cast work, and also admits of a very broad, free treatment of design. The articles made of it are very showy, and at the same time durable.

The meanest man on record lives in Manayunk. The neighbors say that if the ocean was all cologne, and he owned it, he wouldn't give away a scent.—*Philadelphia Record.*

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He Stole the Gun.

It is not all fun and placid peace even in a Philadelphia Hardware store. So Christian Kull, Richmond and Ann Streets, discovered some evenings since. A yonng man named Daniel, alias "Skinks" Shields, entered the store about eight o'clock. He asked to see some revolvers and cartridges; examined several of them, and selecting one of the best, loaded it up on the pretense of seeing if the cartridges were a good fit.

Suddenly he pointed the weapon at Mr. Kull's head and exclaimed:

"Now, you Dutchman, I got you just where I want you. I don't intend to pay for this pistol, see? If you follow me when I go out or raise any outcry, I'll come back and put a bullet through you."

He then went out of the store, Mr. Kull being so dumfounded that he made no movement until the cool thief had disappeared with the pistol and a box of cartridges.

He reported the matter to the police, but Shields had fled and no trace of him could be found. He was arrested, however, in the house of a sister, at Coral and Sergeant Streets. At a hearing he was committed to jail without bail. He lately got out of jail, where he served time for burglary.

E. E. Brown & Co.'s Sash Weights List.

E. E. Brown & Co., McKean and Meadow Streets, Philadelphia, have issued the following list covering their line of Sash Weights:

STANDARD SIZES PHILADELPHIA FLAT.

Weight.	Size, Inches.	Length, Inches.
2	1⅛ x 1⅝	6¼
2½	....	7
3	.....	8¼
3½	.....	9
4	.. ..	10¾
4½	.....	11¼
5	.....	12¾
5½	.....	13¼
6	....	14¾
6½	.. . .	15¾
7	1⅛ x 1¾	15½
7½	.....	16¾
8	.....	17½
8½	.....	18
9	1¼ x 1¾	18¼
9½	1¼ x 2	16½
10	....	17
10½	.....	17⅝
11	....	18⅝
11½	....	19½
12	....	19⅞
12½	.....	20⅝
13	... .	21⅝
13½	.....	22½
14	.....	22⅞
14 4	.....	23⅝
15	.....	24⅜
15½	.....	25⅛
16	.....	25⅞
16½	.....	26⅝
17	.....	27⅜
17½	1½ x 2⅛	21
18	.....	23½
19	.....	24¾
20	.....	26
21	.....	27¼
22	....	28½
23	.....	29¾
24	.....	31¼
25	.....	32½
26	1⅜ x 2¼	31½
27	.....	32⅝
28	....	33¾
29	.....	34⅞
30	.....	36

REGULAR WEIGHTS PHILADELPHIA ROUND.

Weight.	Diameter, Inches.	Length, Inches.
2½	1⅛	10
3	.....	12¾
3½	.....	15¼
4	1¼	14½
4½	.....	16
5	1⅜	16¼
5½	....	16¾
6	....	17
6½	....	18
7	1½	17¼
7½	.....	18
8	... .	19½
8½	.....	20¼
9	... .	21¼
9½	.....	22¼
10	.....	23¼
10½	.....	24¼
11	....	25¼
11½	....	26¼
12	.. ..	27¼
12½	....	28¼
13	1⅝	26
1 ⅛	....	27
14	.....	28
14½	.....	29
15	.....	30
15½	....	31
16	1¾	26½
17	.....	28½
18	.....	29¾
19	....	31⅝
20	2	26
21	....	27½
22	....	28¼
23	.....	29¾
24	.....	30½
25	.....	31⅝

Upon our Hardwaremen's Exchange page, under the name "Chicago Agencies," appears an announcement that should interest all makers of Hardware specialties. A gentleman of business reputation, financial responsibility and a good sales man, is prepared to open a Chicago office on October 1st, and would like to hear from those who wish to send their goods into that field. A letter addressed "Chicago Agencies," care of this office, will be forwarded to him immediately.

We are informed that S. A. Haines, familiarly known as the "Parson," is to represent the Irwin Auger Bit Co., of Wilmington, Ohio, in the sale of their goods to the jobbing trade of this country. Mr. Haines, who has recently returned from Europe, is a member of the S. A. Haines Co. at Indianapolis, Ind., and probably as well or better known among the buyers of the Hardware jobbing trade than any man in this country.

The Kingston Hoe Factory, Kingston, Tenn., are putting in new machinery.

A Handsome "Alaska" Set.

The handsome stand and accompanying articles here shown are of the famous "Alaska"—"always cold"—manufactures of the Troy Nickel Works, Troy, N. Y. These goods are described



as strong and handsome; comprising, in the set here shown, a shovel, poker, tongs and lifter. These are all heavily nickel plated, "and are a great thing for any kitchen stove, as all good housekeepers have a place for everything, and everything in its place"—and this stand and set go together in the eternal fitness of things. It seems to us as though the collection would make an admirable present for the holidays, and wide-awake dealers might do well to investigate.

J. C. Emmett, a merchant of Liberty, Ind., has adopted a plan to prevent safe-blowers from using explosives to force an entrance into his safe. A card with the following inscription is posted on the safe: "Mr. Burglar, please do not break open or deface this safe. It contains books and papers valuable only to me. If you wish to see for yourself the combination is as follows: 46 back twice 73, forward once to 96, back to 51. If you open the safe please close and lock it for fear of fire." Mr. Emmett's safe has been blown open several times.

Does anyone but a tradesman care for a trades paper? Yes; if it is such an excellent paper as HARDWARE. So much Hardware is used in every household that it is profitable to keep posted on new inventions in that line. One dollar sent to HARDWARE, 143 Chambers Street, New York City, for a year's subscription, is money well expended.—*Co-Operation*, (*University Park, Col.*)

The Buerk Hardware Co., No. 134 Lake Street, Chicago, inform the Hardware and locksmith trade that they are putting in a complete line of locksmith and bell-hangers' supplies and material, such as key blanks, bells, gongs, electric bells, batteries, push buttons, wires, speaking tube, elbows, whistles, mouth pieces, etc. A complete catalogue of the same is now being compiled.

Fred. Treadway, of A. Treadway & Sons' Hardware Co., Dubuque, Iowa, was visiting friends on Chambers Street some days ago. He is one of those men whom it is a pleasure to meet, and representatives of Eastern manufacturers find it a matter of both pleasure and interest to call upon him when in Dubuque.

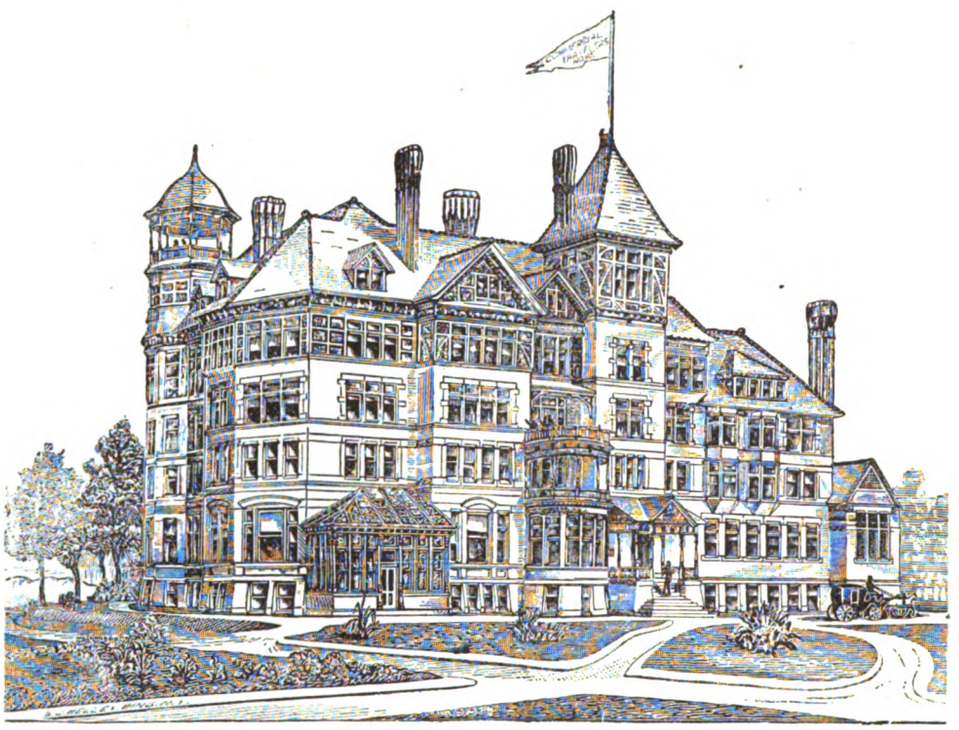
HARDWARE says there has been a vast improvement in axes in the past fifty years, but we can't make the woman who chops the kindling wood at our house appreciate her blessings in having an improved implement.—*Ansonia* (Conn.) *Sentinel.*

The Globe Gas Engine Co., Philadelphia, Pa., will erect a four story brick and iron factory building on Forty-ninth Street, which will cost $20,000.

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Commercial Travelers' Home.

The 9th of October, 1894, will be long remembered by the commercial travelers of America, as upon that day was laid the corner-stone of the Home which is to be erected by their generosity and energy, through an organization known as the Commercial Travelers' Home Association of America. It is to be located in Binghamton, N. Y., and a view of the structure when complete is here given. It will command a view of the city and country for miles around; will cost, when completed, about $125,000, and will be five stories in height, with a basement. The prevailing style of architecture will be Parisian, with a blending of Renaissance. There will be a tower and an observatory. The interior walls will be constructed of brick and fireproof tile. The building will be fireproof, as no wood work will be used. On the first floor there will be a large concert hall, with stage for theatrical performances and entertainments, a lecture room, the secretary's office, reception room, reading room, library and conservatory. The second and third floors will be adapted for dormitories, fifty-two in number. The fourth floor will contain the dining-room and a children's breakfast room. It is expected to be ready for occupancy a year from next December. The object of the Commercial Travelers' Home Association of America is to provide and maintain a home and hospital for the care, maintenance and relief of indigent commercial travelers, their dependent wives, widows and infant children, and to build, furnish and maintain in connection therewith a school for the benefit of said infants and to provide and furnish such other and further aid and assistance to the members thereof and their families as may be provided by the by-laws.



COMMERCIAL TRAVELERS' HOME, BINGHAMTON, N Y.

The corner-stone laying was witnessed by thousands of the commercial travelers from all parts of the country, and was attended by speeches, a parade, and other ceremonies incident to an event of that character. The history and the future of this grand endeavor were touched upon by the president of the association, James B. Aldrich, Detroit, Mich., when he said: "As my eyes travel over this sea of faces I cannot help but contrast this scene with that of scarcely three years ago, when a little band of zealous, generous, broad minded commercial travelers were struggling to disseminate the principle incorporated in our constitution and by-laws and awaken a sentiment within our fraternity to carry out the same. With the reward of the past effort so completely in evidence to-day it should stimulate us to renewed zeal in the noble work in which we are enlisted. This home, the corner-stone of which we lay to-day, is but a beginning. Our labors will not have been completed until by its side a hospital is erected, a school established and we are able to support in comfort the indigent of our fraternity, bind up the wounds of our suffering members and educate the orphaned children, fitting them to become va'uable acquisitions to the social and business world."

Smokeless Powder.

Von Lengerke & Detmold, No. 8 Murray Street, New York, established themselves in business in 1882, and have since been closely connected with the introduction of smokeless powders into this country. They became agents for the pioneer nitro-powder manufacturers of this country; but as the company they represented came to grief through explosions—ten in two months—the sheriff, etc.; they severed their connection therewith.

Then the Schultz Powder Co., of England, sent a representative to America to secure the firm of whom we are speaking as agents, and the latter consenting, a very large demand was created, the product being sold in large quantities. The success of the Schultz Co. impelled their then only rivals to send over a representative to America, who secured the services of Von Lengerke & Detmold, and a factory in this country was built. While this was being done, the E. C. people of England also secured the services of the American firm, and the two well-known powders were handled side by side.

Recently the New York firm have received the agency for a new nitro-powder, which is claimed to be excellent in efficiency. It was brought out by Wuolf & Co., of Germany, and called what is now well-known as the Walsrode, and is very popular with shooters all over the country, large quantities having been sent so far west as Colorado and California. Each of the powders mentioned above has received the test of the shooting fraternity, and Hardware dealers can hardly make a mistake in handling them for the benefit of their customers.

Recent Incorporations.

Decatur, Ill.—Economy Gas Stove Co.; capital stock, $5000. Incorporators, Gustavos Heidel, Henry D. Mathews, Albert Mathews and J. C. Hostetter.

New York, N. Y.—Ridgeway Lock Co. To manufacture and sell locks and other Hardware. Capital, $50,000. Directors, Alfred Hodge, Joseph E. Seaton and William Seaton, Jr., New York City.

Indianapolis, Ind.—C. Broeking Co., Hardware. Incorporated with a capital stock of $15,000.

The Latest Catalogues.

The Herbrand Co., Fremont, Ohio, for whom David Eastman, No. 64 Reade Street, New York, is agent, have issued a catalogue of their razors and strops, which is more than usually well illustrated, their razors and strops being placed in groups, in beautiful half-tone. The company claim that the steel in these razors is the best that can be made, and is specially prepared for their use. Each blade is hand forged and separately tempered with the utmost care, by a special process of their own, thereby securing, as they claim, "a finer cutting edge than has ever been before produced." Among some of their specialties are the razors with aluminum handles, with an alloy of silver in them, sufficient to give a nice finish. Many of the numbers are specially for barbers' use, and one line, in compliment to politics, is named familiarly "McKinley." A safety razor is among the numbers. A full line of razor strops, both single leather and combination, is given and illustrated, which includes the German Belt, Double Flat and Cushion combination. The line is very complete, both in razors and strops, and the catalogue itself is a good illustration of what the printer can do.

The Star Brass Mfg. Co., No. 33 Lancaster Street, Boston, Mass., with branches in Chicago and San Francisco, have issued a handsome and neat catalogue of their pressure and vacuum gauges for all purposes; stationary, portable and machine pop safety valves, and steam engine and boiler appliances in general. This catalogue is bound in heavy boards with gilt lettering, and contains near two hundred pages of illustrated descriptions of their line of goods. Aside from the catalogue features, may be found several pages devoted to useful information on physical and mechanical elements, constructions and results. In a note of introduction the company say that the "importance now attached by steam users and the public in general to the production and selection of steam appliances whose performance and indication must be absolutely reliable, has impelled us to use nothing but the very best of material and the employment of the most skillful workmen in their production."

Page, Dennis & Co., No. 325 Broadway, New York, have issued a comprehensive catalogue of some seventy-five pages, which is very thoroughly illustrated and contains detailed descriptions of the large line of goods which they carry. Among those mentioned are: Howe scales, Bedford scales, Howe trucks and barrows, Howe letter copying presses, Alaska refrigerators, National refrigerators, American refrigerators, Alarm cash drawers and registers, etc. A complete index of discounts, etc., is furnished, and in an opening note they state that all their goods are specially packed for export with care, in compact shape, and minimum weight consistent with safe packing. The catalogue will be sent upon application.

Tom Moore, No. 1367 Broadway, Brooklyn, N. Y., with a branch office in the *World* Building, New York city, has issued a very handsome and artistic catalogue of metal work for burial vaults, which he has dedicated "to my friends the architects of the United States." The work is very thoroughly illustrated, printed upon heavy calendered paper, and shows at a glance, for the benefit of any builder or architect, the various specimens in this line of goods manufactured by Mr. Moore. These include vault doors, gates, grilles, memorial tablets, etc., etc. In sending for this, inquiry should be made for Catalogue B.

The Knapp & Pratt Mfg. Co., Geneva, Ohio, manufacturers of housekeepers' Hardware, Hardware specialties, floral, garden and farming tools, have issued an illustrated price list under date of September 1st, consisting of thirty-two pages. The list comprises spoons, meat and kitchen forks, mincing knives of all descriptions, cake turners, can openers, carpet stretchers, ice picks, ice chisels, tack hammers, claws, shingling hatchets, clothes line hooks, box scrapers, saw handles, floral tools, rakes and hoes. George P. Benjamin, No. 104 Chambers Street, New York, is agent for these goods.

The Boston Belting Co., Boston and New York, have issued an illustrated catalogue and price list of their fire hose. It is printed in colors and handsomely bound, with their trade mark in bronze upon the front cover. All varieties of hose and hose fixtures, including pipes, racks, etc., are shown in this little book, which is in reality a hand-book of useful information for dealers in fire goods or for any interested in fire departments. It will be sent upon application.

The American Curry Comb Co., Troy, N. Y., which comprises the Sweet & Clark Co., the Southington Cutlery Co., the New York Stamping Co., William P. Kellogg and E. Hills, have issued a revised price list under date of October 15, 1894. In this list there are only two changes, being for numbers 78 and 78½, in which the difference is slight. Fuller Bros., No. 33 Chambers Street, are the New York agents for this company.

The Rogers & Hamilton Co., Waterbury, Conn., have issued a pocket edition of their 1894 standard price list of Silver Plated Flat Ware. This is the third edition of this valuable work. It is printed upon heavy paper, fully illustrated, and so indexed that any variety of goods can be found at a glance. It contains 118 pages, is bound in heavy cover, and has as a frontispiece, a view of the company's extensive works.

The Miner & Peck Mfg. Co., New Haven, Conn., have issued their supplement No. 3, describing their friction drop hammer and blast forges for drop forging. Illustrations of this machine are given with description of all the parts, etc. They also announce that they manufacture drop presses for making all kinds of work.

The Broad Gauge Iron Stall Works, No. 53 Elm Street, Boston, have issued a little sheet of discounts which they will be pleased to send upon application. They are also sending their friends a small pocket-piece in iron, which is an exact duplicate of their corner manger and feed-box.

F. E. Kohler & Co., Canton, Ohio, have issued a neat little price list showing the new Lawn Queen Rakes, Flexible Back Curry Combs, and Mystic Lawn Fountain. The rakes are made in two styles, one with a steel and one with a wood head; teeth of No. 9 wire, and curved.

The Gibbs Mfg. Co., Canton, Ohio, have issued advance sheets of their November catalogue, covering their garden rakes, post-hole diggers, trowels, can openers, etc. They report to the dealers that their 1895 prices will be found of unusual interest to the trade.

Brabson Bros., Nos. 78–80 Mechanic Street, Newark, N. J., have issued a descriptive price list of their Climax Door Fastener, which is found illustrated upon another page of this issue. They will be pleased to send the same upon application.

A Novel Desk Light.

A novelty being placed upon the market is a new adaptation of the incandescent light for the purposes of the desk. Upon the top of the desk is a sliding frame which allows the light to be placed in a desirable position. The light is placed longitudinally in a horizontal cylindrical ground glass frame. Over this is placed upon top a sheet of perforated metal. This is for the purpose of protecting the hand or other substances from the heat common to the incandescent lamp. In front is a bronze apron which completely shades the eyes from the light; the results being that the full volume of light is thrown down upon the desk, and a full utility in the way of effect is thereby realized.

The Cleveland Twist Drill Co., Cleveland, Ohio, have had a practical tribute to the quality of their goods, by being awarded a gold medal at the Antwerp Exposition. They therefore see in this an indication that the old belief that only Eastern manufacturers could turn out first-class tools, has passed away.

The Wagner Mfg. Co., Sidney, Ohio, have just completed an addition to their foundry building, and have added a number of machines to their finishing department, which will enable them to turn out about one-third more goods than in the past.

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The "Crusty" Bread Pan.

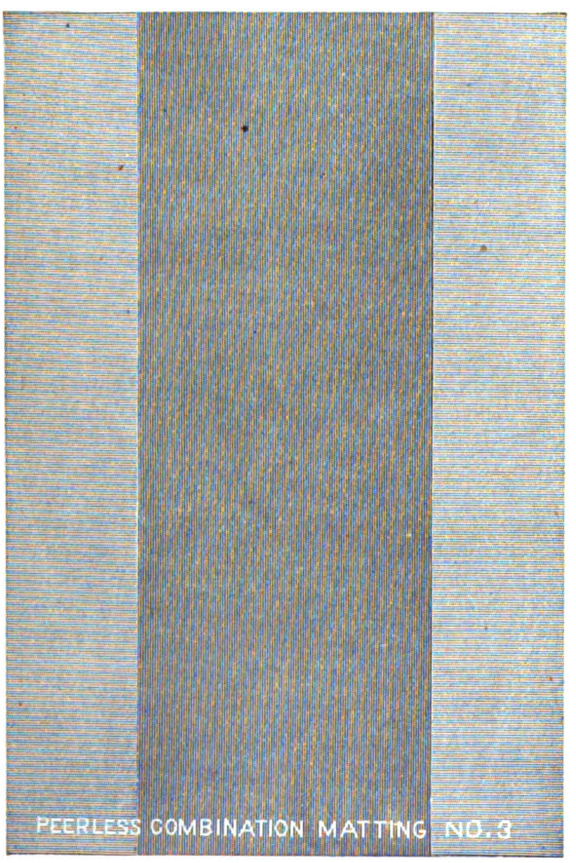
The accompanying cut shows a new curved bottom Bread Pan lately put on the market by the Niles Mfg. Co., Niles, Ohio. "It is a known fact acknowledged by all cooking school



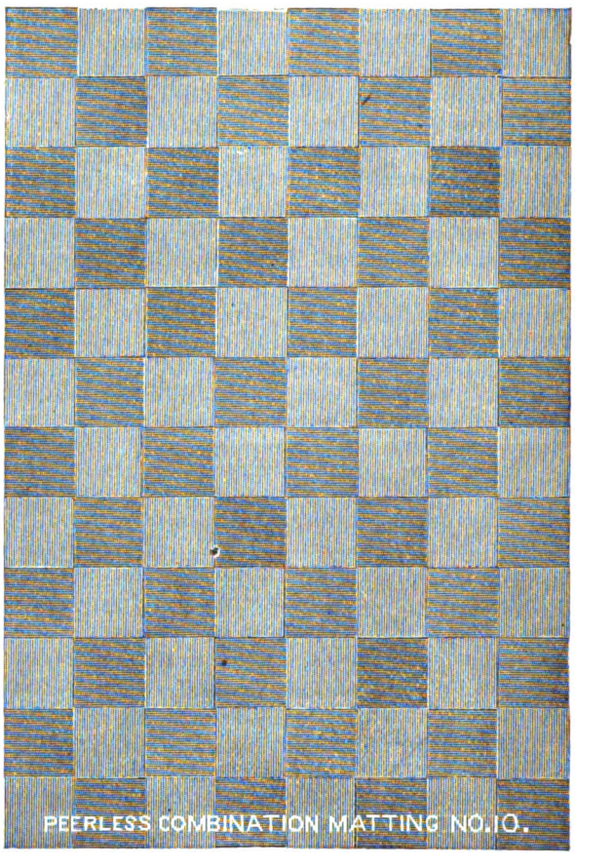
teachers, and others who have tested it, that a curved bottom pan is a far better baker than the old flat bottom pan; also that a pan made of black material is far superior to a pan made of bright material, like tin. This pan is made of black cold-rolled steel, and produces a nearly cylindrical loaf of moderate size and because of its size and shape effectually insures the killing of the yeast germ, thereby avoiding all danger of fermentation in the stomach. It also produces a delicious crust over the whole surface of the loaf, bottom as well as top, and crust is the most wholesome as well as the sweetest part of the bread. The bead along each edge keeps the loaves apart in the oven, and prevents spoiling the crust by their running together. This pan has already been taken hold of by some of the largest jobbers in the country and seems destined to have a very large sale as its superiority and moderate price become known. The dealers' price is but $10.00 per gross, so it can be retailed at a price within the reach of every housekeeper in the land."

Peerless Combination Matting.

In this connection we show two specimens of the line of Combination Matting being placed upon the market by the Peerless Rubber Mfg. Co., No. 16 Warren Street, New York



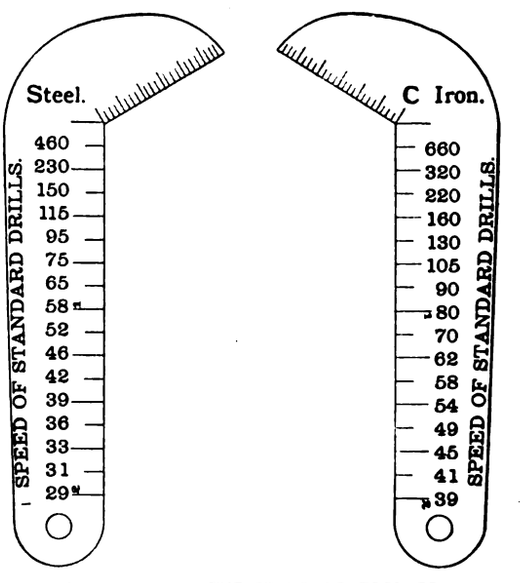
City. The fine effects that can be produced by an artistic combination of light and shade are well shown in these articles A special method of manufacture is followed, the matting being "produced from a mold which cost many thousands of dollars, the face plates of which are made up of blocks of metal that are covered with surface grooves. These are interchangeable, making scores of different styles of mat many of them artistically beautiful; blocks run 2½, 5, 7½ and 10 inches square.



When in the mold these blocks turn on a pivot so that a bewildering variety of effects may be secured. A further advantage of this style of mat is that it assures the firmest sort of foothold at any angle. When the smaller blocks are used the most beautiful sort of railroad car mats are made, some of which have already been adopted by the large companies."

Twist Drill Grinding Gauge.

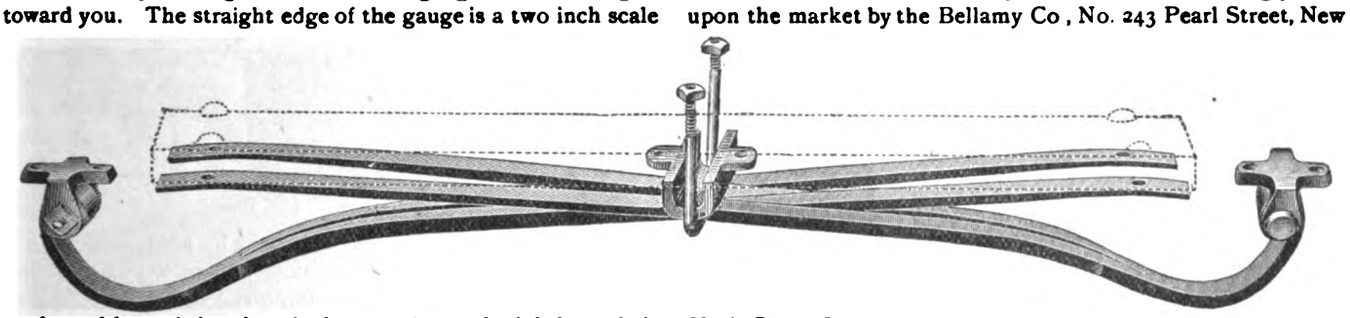
This new Twist Drill Grinding Gauge and Chart is being placed upon the market by the Standard Tool Co., Cleveland, Ohio. In describing its construction and uses, the company say: "Grinding Twist Drills accurately is generally admitted to be a difficult operation, and the proper speed or number of



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revolutions a drill should run is of great importance in getting the best and most economical results from the use of Twist Drills. Our Twist Drill Grinding Gauge and Chart will enable an operator to grind Twist Drills accurately, thereby making

considerable saving. The cut shows opposite sides of our new Twist Drill Grinding Gauge. It is made of steel one-sixteenth inch thick. The angle of the gauge is ground to exactly fifty-nine degrees, which is the proper angle for the cutting edges of a Twist Drill. The angle on the gauge is graduated so that the cutting edges of the drill can be measured and ground exactly the same length. The clearance of the drill can also be determined by holding the drill on the gauge and revolving it toward you. The straight edge of the gauge is a two inch scale



graduated by eighths of an inch, opposite each eighth mark is a number, which is the best speed to run a drill of corresponding size or diameter. One side of the gauge is marked for boring steel and the other for cast iron. In using the gauge hold it in the left hand and place the drill in the angle of the gauge with the cutting edges of the drill facing you. Grind the drill so that both edges are exactly the same length and fit the angle of the gauge. Also see that the heel of the lip of the drill is lower than the cutting edge, which will give the drill clearance and allow the edges to cut. Always keep Twist Drills sharp, run them at the proper speed as given on chart. If you want to force a drill to do work quickly, run at the right speed but increase the feed."

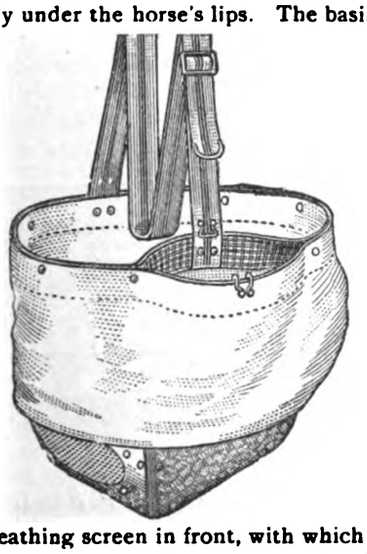
Boss Mending Cone.

The Boss Instantaneous Mending Cone is being introduced to the trade by P. D. Murphy, Lockport, N. Y. They are described as adapted to mending tin, sheet iron, copper and agate ware without fire, solder or acids. The maker says: "The one advantage is that any child ten years old, or any woman, can mend tinware in the kitchen." These Cones are put up in cylinder-shaped wooden boxes. The metallic cones are a little larger than the one shown to the right of the inverted pan in the cut, and are designed to be riveted into the holes of the article to be mended.



Bean's Perfection Feed Bag.

John P. Lovell Arms Co., Boston, Mass., are placing upon the market the new Feed Bag here shown. It is made of galvanized iron and canvas; consists of two bags, one inside of the other, with space between for eight quarts of oats, which gradually drop through into the basin, filling it to the depth of an inch directly under the horse's lips. The basin is oblong in



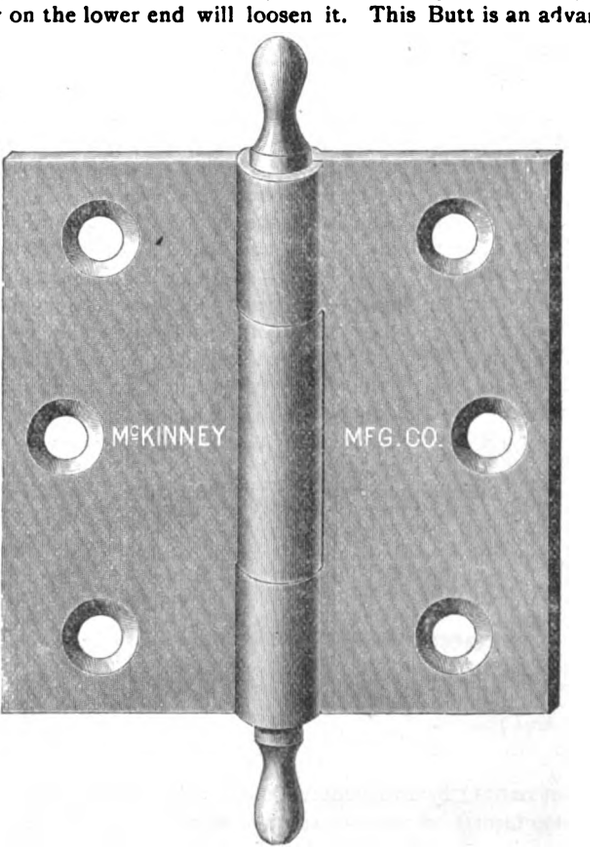
shape, with breathing screen in front, with which the oats cannot come in contact. While the horse is eating, his nose is at the screen, through which he freely breathes. "It is warranted in every respect; never gets foul." The makers add: "The reason the horse tosses his head while feeding, is either to get air or oats. Both are supplied fully and freely by the use of our bag. And, besides, the horse gets the oats you feed him instead of throwing them out on the ground to waste. You don't have to give him eight quarts in order for him to get four." These Bags retail for $1 each; price to the dealer, $9, per dozen. The manufacturers say that the demand for them is steadily increasing.

"Perfect" Bifurcated Spring.

The "Perfect" Bifurcated Spring here shown is being placed upon the market by the Bellamy Co, No. 243 Pearl Street, New York City. In describing its merits, the company say that it rides level and steady; is easily and cheaply applied; with its use all rocking is obviated; practically unbreakable; and that every spring is oil tempered, tested and warranted. Price, complete with shackles, $1.75 per set. This is but one of other like specialties made by this company, who will be pleased to send an illustrated price list upon application.

Improved Loose Pin Butt.

The McKinney Mfg. Co., Market and Locusts Streets, Allegheny, Pa., are placing upon the market the Improved Loose Pin No. 704 Butt here shown. This Butt is a new one they have gotten out lately, and the principal object in it is to give the trade a Reversible Steeple Tipped Butt at the same price as the Regular Reversibles. They explain that as this Butt "answers all the requirements and makes a neat appearance, we believe we have accomplished the object in view." They enclose a slip in each box of Butts. It explains that they have "made the pin in this Butt slightly larger under the head, so that when driven down, it will not work up, a fault common in many Butts. When necessary to take the pin out, a slight blow on the lower end will loosen it. This Butt is an advan-



tage over the regular tipped butts, which are higher in price, inasmuch as the pin is reversible, and can be driven in at either end." They are prepared to furnish these promptly, and can, as is the case with other goods they manufacture, ship upon receipt of order.

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Riding Horse Tricycle.

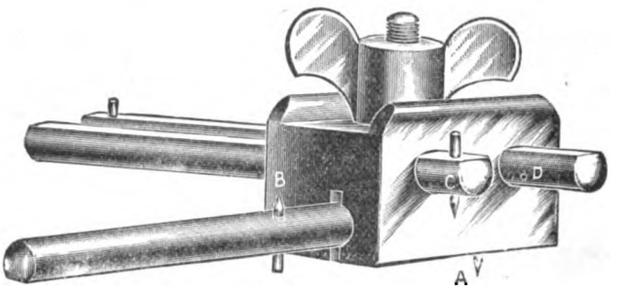
An attractive and taking article to be added to any holiday Hardware stock, is the Riding Horse Tricycle here shown, which is manufactured by the Quadruped Novelty Co., Canton, Ohio. They describe it as "designed for children of both sexes, from three to twelve years of age, and so strongly suggests that summit of juvenile desire, 'a real live pony,' that its



appearance among a group of children anywhere never fails to produce a profound sensation." They add: "The height of horse is thirty-six inches; the body being stamped from sheet metal by costly special machinery is at once exceedingly light and strong, and the method for operating it simple and durable and not liable to derangement. The wheels are rubber-tired, securing its noiseless running; and the neck being pivoted to the body, the rider guides his steed by drawing on the bridle reins precisely as in the case of a real animal. The horse is propelled by the feet like the ordinary tricycle, and the legs responding to each revolution of the pedals reproduce the action of a horse in trotting with wonderful fidelity to life. The horse is handsomely painted in the various colors found in nature; has suitable mane and tail and is furnished with a neat saddle, bridle and neck collar—in short, nothing has been omitted to render this pre-eminently the leading juvenile attraction of the age. The Riding Horse Tricycle can be operated by a small child without undue fatigue; it furnishes an abundance of invigorating and delightful exercise and by its use children unconsciously acquire a confidence and fearlessness that greatly facilitates their taking up equestrianism when they have outgrown this enterprising substitute for live pony. We also furnish tricycle with iron-tired wheels and horse with immovable legs, when so desired."

Reeves Improved Butt Gauge.

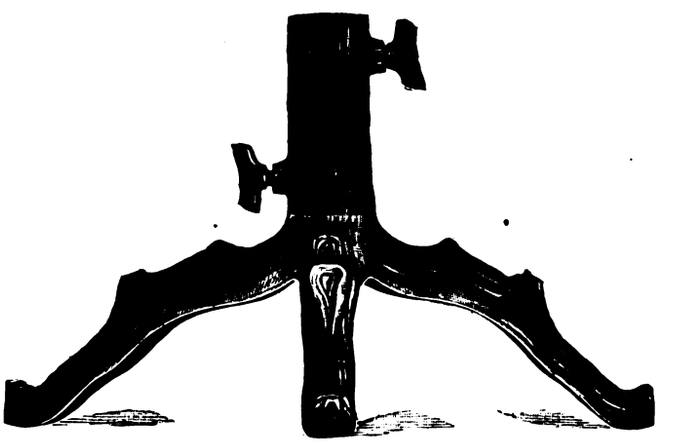
C. E. Jennings & Co., New York, are placing upon the market a new and useful tool for the hingeing of doors, which is herewith illustrated. The point A, as represented in the cut, projects through the slot in the bottom, and gives the cut in the rabbit of the door. Point B gives the cut on the door, thus setting the door the required distance from the stop when hinged. Points C and D in top slides gives the depth of the hinges in the door and jam. The tool gives three independent



gauges for general work, and also may be used as a mortise gauge. It is of steel, highly polished and nickel plated. The name of the Tool is the Reeves Improved Butt Gauge.

Berlin Christmas Tree Holder.

The Berlin Christmas Tree Holder is a new and handsome article being placed upon the market by the Logan & Strowbridge Iron Co., New Brighton, Pa. They describe it as strong and substantial, and neat in design. It is made with three sizes of holders, which fit on the same feet. Their A holder is one and a half inches in diameter; B holder, two and one-fourth inches diameter; C holder, three inches diameter. The



set screw which fastens the tree has a range of three-fourths of an inch. It will be noticed that in all parts this Holder is made to represent the trunk and roots of a tree. They are packed one dozen in a case, assorted, 6 A 4 B and 2 C. Different assortments will be furnished if desired. Price per dozen, dark green finish, $9.

L. F. & C. Bread Knife.

The L. F. & C. Bread Knife here shown is being placed upon the market by Landers, Frary & Clark, New Britain, Conn., and No. 298 Broadway, New York. It has a blade ten inches long, and a polished beech handle. One side of the knife is shown in Fig. 1; the opposite side, which is beveled, being seen in

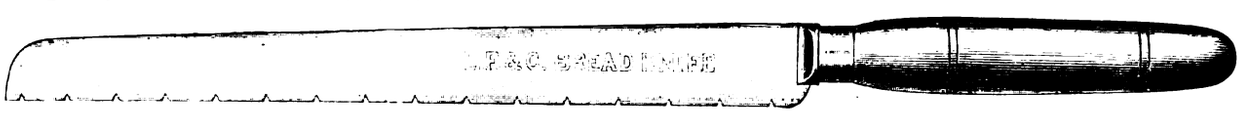


FIG. 1.

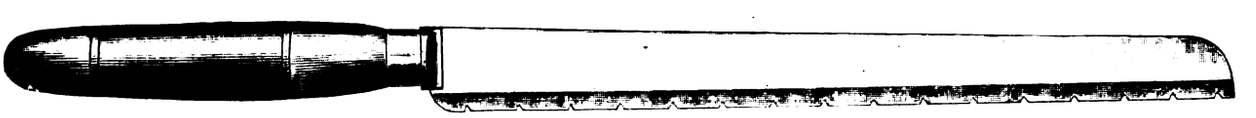


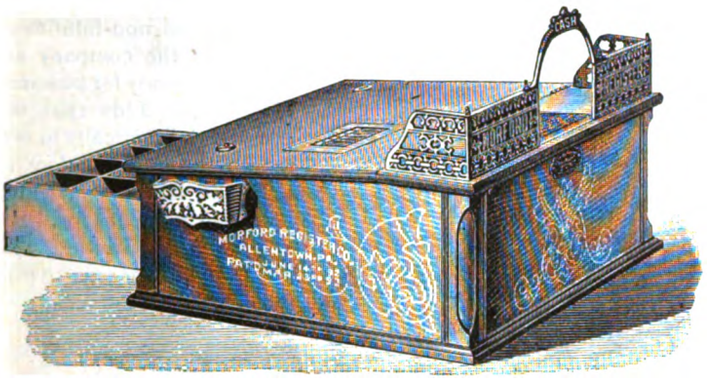
FIG. 2.

Fig. 2. The makers say: "The L. F. & C. Bread Knife has just enough teeth to cut through the crust quickly—not enough to pull and tear the soft bread underneath the crust. We guarantee it to cut bread and cake quicker, more evenly, and with less crumbs than any other bread knife on the market." These knives are packed one in a box, and the price to the trade is $2 per dozen net cash.

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Morford's Alarm Cash Till.

In the accompanying illustration may be seen Morford's Safety Alarm Cash Till, manufactured by the Morford Register Co., Allentown, Pa. In describing the same the makers say: "The reason the drawer was first thought of as a patent, was on account of the many petty thefts committed on the various styles of money drawers on the market, by parties getting behind counters and feeling of the smooth keys, and opening the money drawer without giving the alarm, for there are so few parties in business who change their combination frequently, and therefore the keys become smooth, and it is a very simple



matter to find the set of the key by the touch or to make doubly sure by lighting a match and looking for the bright keys. There was, therefore, a demand for a drawer such as we have now completed. We have experimented, until now we have the lock so arranged that no one can pull a key without giving an alarm, whether they pull the keys on which the lock is set or if they pull the wrong ones. Also, in pulling the keys, if a party should pull one key not set in the combination with the direct combination, that one key will come up while the others go down and lock the drawer as securely as if all keys were used in the combination. In other words, you would be compelled to pull the correct keys to open the drawer in all cases; by doing the same an alarm would be given. The money drawer is made of hard wood, the locks and sides being of the best oak, and the fronts are made in oak and in walnut; the fronts made of oak being of quartered oak, polished, while the interior of the drawer is made in keeping with the exterior. The sliding tray is made of wood highly polished, wnile the



bell is of the best of bell metal, for we endeavor to bring the drawer as near perfection as possible, not only in appearance, but also in durability, and therefore we use the best of materials. The drawers are made in two sizes, one being made for parties having narrow counters, and the other for parties having more room. Since its patent on July 10, 1894, we have had a great demand for the same in the Hardware trade, for they claim it a very convenient drawer."

Illustrated Bicycle Novelties.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Foot Brake, Attachment, Etc.

Frank M. Buckley & Co., manufacturers of bicycle novelties, Boston, Mass., are offering the trade the two new articles here

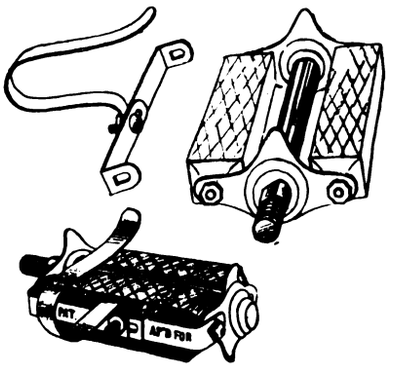


FIG. 1

shown. In Fig. 2 may be seen the Brockton Foot Brake, a description of which is given by its makers as follows: "The weight of the above is but five ounces. It is attached to the forks just above the wheel by an adjustable clamp, and can be attached to any bicycle in five minutes by the rider. It is worked by simply putting one foot on the edge and pressing downward (Fig. B), while the other foot remains on the pedal. On removing the foot it resumes its neutral position by the action of two springs (Fig. A.) This brake, on account of its small weight, and the small space it occupies, is just what has been needed to complete the bicycle, and its bright nickel appearance makes it an ornament to all machines. It is attachable to any and all makes of bicycles." In Fig. 1 is shown their "Boss" Toe Clip and "Dirnbirger" Attachment, of which they also say: "The 'Boss' is made for rat trap pedals, and is light and durable. The 'Dirnbirger' Attach-

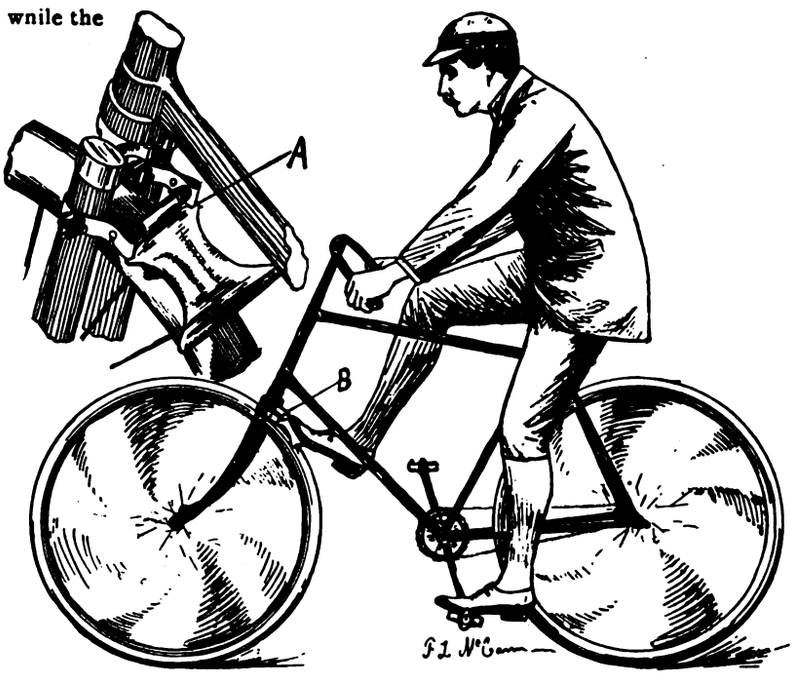


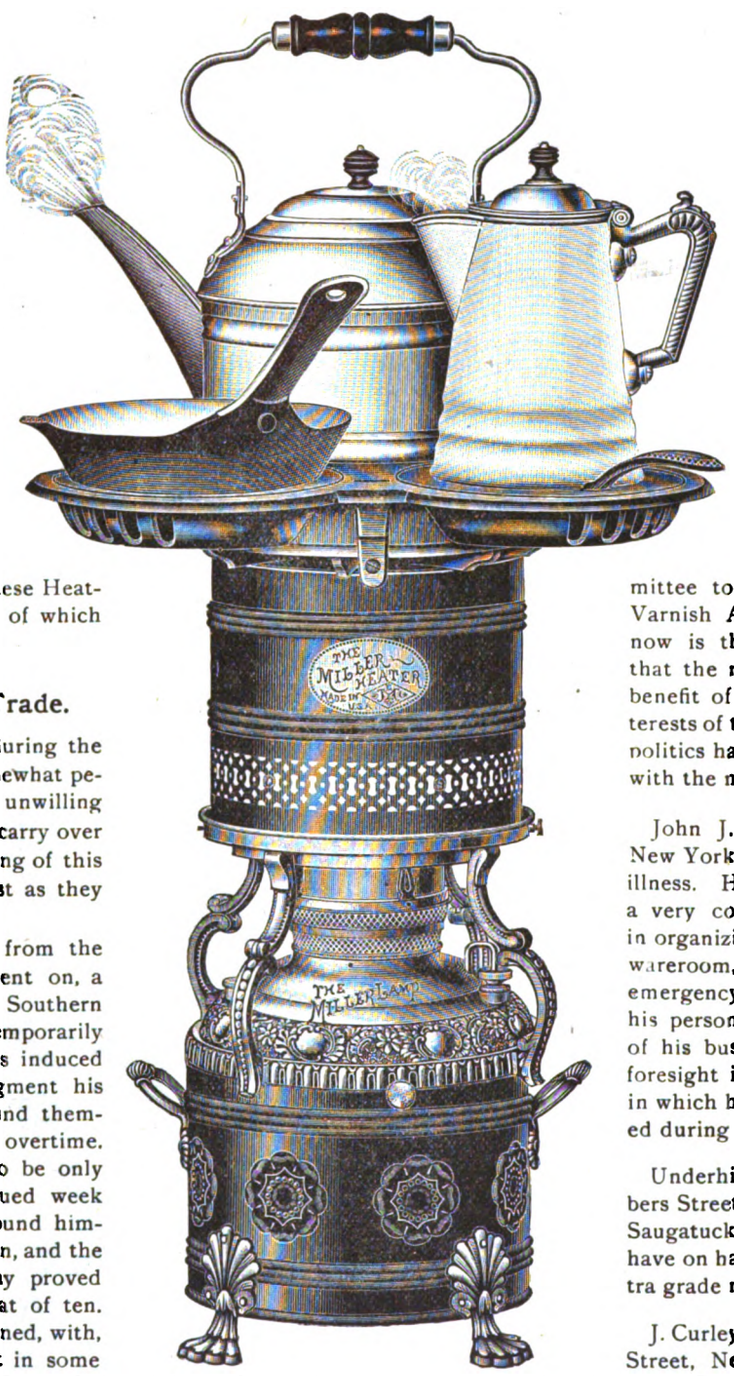
FIG. 2.

ment can be applied to rubber pedals, which makes it the best clip in the market, for three reasons: 1st. It can be attached to any style or size of rubber pedal. 2d. By removing 'Dirnbirger' Attachment it can be applied to any rat trap pedal. 3d. It is made of the best material."

HARDWARE's "Prices Current" are always trustworthy.

The Miller Oil Heaters.

Edward Miller & Co., Meriden, Conn., with salesrooms at Nos. 10 and 12 College Place, New York, and No. 63 Pearl Street, Boston, are meeting with no little success in the renewed business of this fall, with their Miller Oil Heaters. Upon page 58 of this issue will be found illustrated descriptions of several of these articles, with details as to their quality, etc., and in this connection we are permitted to present an illustration of their No. 334 Heater, which shows how they can put upon the top of the drum their No. 5 stove-top with three lids, and can thus do a great deal of heating and baking. This Heater is put up with four strong arms which rest on the body of the lamp, which makes a very strong and satisfactory arrangement for common cooking purposes. These Heaters are described as clean and odorless; requiring no more care than in the case of an ordinary lamp. The cylinders are of russia iron, with removable nickel tops, or with combination heating drum and grate for cooking. They are described as of the best material and workmanship, perfectly safe, the oil never getting hot. These lamps hold one gallon of oil; will burn twelve hours, and are easily lighted by lifting the top of the burner. There will be sent to anyone interested in this subject—as all retail Hardwaremen certainly are—a circular showing these Heaters, with ovens for cooking, of which they have twelve varieties.



The Loaded Shell Trade.

The loaded shell trade during the present season has been somewhat peculiar. Manufacturers were unwilling at the close of last season to carry over any stock, and at the beginning of this they only filled orders as fast as they were received.

A good trade sprang up from the South, and as the season went on, a war developed among the Southern railways which resulted in temporarily very low freight rates. This induced the Southern dealer to augment his orders, and the factories found themselves compelled to work overtime. At first this was thought to be only temporary, but as it continued week after week, the operative found himself under too severe a strain, and the work of fifteen hours per day proved to be less valuable than that of ten. That plan had to be abandoned, with, however, the embarrassment in some large factories that they are five and six millions of cartridges behind on orders that they have booked.

Lawn Mower Trade.

The trade in lawn mowers has continued very late this season, and some manufacturers are still making very good sales. The trade South develops very slowly, and there are only two or three points to which they are shipped. The city of Savannah takes a good number, the taste for a fine lawn being inculcated there no doubt by the presence of its beautiful squares which have grown up under a wise city government. But few mowers are sent further South, Mobile and New Orleans taking very few in proportion to their population. This is somewhat strange, as in that climate it is practically summer all the year around. The trade for next season has hardly begun.

A. J. Warner, president of the Warner Lock Co., Manhattan Building, Chicago, Ill., announces with no small pleasure, that the storm through which his company has recently passed, has cleared away; that all debts have been settled in full, the receiver discharged, and the cause of all their troubles—the suit brought by the town of Hampshire for alleged non-fulfillment of contract—has been dismissed, and that the company are once more ready for business. Mr. Warner adds that the company is practically in better condition than before, as the plant is now thoroughly equipped and paid for. Mr. Warner has worked in season and out of season to produce this pleasant result.

Charles Richardson, of Boston, whose labor in behalf of a national department of trade and commerce we have referred to often heretofore in commendatory terms, is still hard at work in pressing forward the reform to which he has so earnestly committed himself. In a recent report of his committee to the National Paint, Oil & Varnish Association, he declares that now is the time for action, and adds that the request is being made for the benefit of the general commercial interests of the country, and that partisan politics have nothing whatever to do with the movement.

John J. Tower, of Tower & Lyon, New York, has recovered from his late illness. He is attending to business in a very conservative way. Mr. Tower in organizing the staff of his office and wareroom, had always in mind an emergency in which he could not give his personal supervision to the affairs of his business. The wisdom of such foresight is fully shown in the manner in which his affairs have been conducted during his protracted illness.

Underhill, Clinch & Co., No. 94 Chambers Street, New York, as agents for the Saugatuck Mallet & Handle Works, now have on hand a large stock of their extra grade mallets and handles.

J. Curley & Brother, No. 6 Warren Street, New York, are making good sales abroad of their patent Reversible Safety Guard Razor. A large sale was recently made to Drew & Sons who are makers to the royal family of England, and who are located in Piccadilly Circus, London.

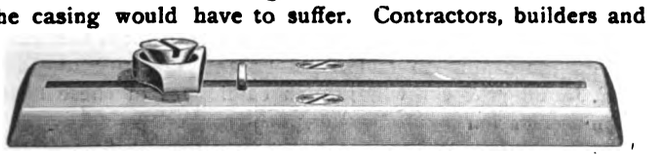
Hon. John H. Graham, of John H. Graham & Co., New York, has nearly recovered from his long indisposition, and makes periodical visits to his warerooms on Chambers Street, spending an hour or two there several times in the course of a week.

A. H. Watson & Co., Fayetteville, N. C., are preparing to establish a twine factory.

The "Salem" Hanger.

At the first glance, a Hardwareman may say that the "Salem" Hanger illustrated here does not interest him, but although it is made to hang shades or curtains on, it has nothing whatever to do with the shade or curtain trade. The Hardwareman naturally says when his attention is called to the "Salem": "I don't handle shades or curtains and so it is not of interest to me." But the man who is interested is not the tenant, but the owner. It is made to prevent the tenant from screwing the casing full of holes, and is said to do it thoroughly and positively. That is why it is sold by the Hardware trade and not the shade or curtain man. It is a part of the house, and not a shade attachment, and will interest any owner of rented property or any contractor or builder who is putting up flat or tenement houses. The cheaper the apartment, the oftener the tenants change; and the more frequent the changes, the greater the damage to the casings. If the tenants changed every week and each one had a shade of different width and each one of different make, everyone could be hung, if the "Salem" was on the casing, and the two screws would be all the casing would have to suffer. Contractors, builders and





owners are the people interested, and the only man that can reach them to advantage is the retail Hardware dealer. The "Salem" is less than four inches long, an inch wide and weighs less than two ounces, and is finished in silver, nickel, copper and antique copper. It is being placed upon the market by the W. A. South Co., No. 13 Front Street, Salem, Mass., who will be pleased to send prices, etc., upon application.

W. J. Henderson, Glen Gardner, N. J., dealer in general merchandise of which Hardware forms an important part, reports that his store was broken into some nights since by burglars. The safe was opened and $25 in cash, a watch and other articles were taken. Among these were three silk umbrellas which Mr. Henderson reports were "taken to keep Uncle Sam's bloated bond-holders dry in the rain." Mr. Henderson will forgive the umbrellas if the cash is returned.

Some time since mention was made in these columns that Robert Newton Johnston of Penryn, Placer Co., Cal., had at one time manufactured horse nails by hand for which he was paid 80 cents a pound. In a note to HARDWARE Mr. Johnston corroborates this fact, and says that these nails were manufactured by him in 1872 and 1873, and that he received 80 cents per pound for No. 6 nails, 86 cents per pound for No. 5 nails, and $1 per pound for ox nails. He made these with the old-time drop hammer in Sacramento City.

One of the reasons why the ordinary citizen finds fault with a carving knife lies in the fact that generally he does not know how to use a steel; another lies in the fact that he may have a poor steel. Landers, Frary & Clark, New Britain, and New York, however, feel that if said citizen has one of their new make of Table Steel, and will carefully read their circular "How to Keep a Carver Sharp," and follow its directions, he never will be troubled with a dull knife.

J. M. Hanford, late Binghamton Cutlery Co., announces that having closed out his cutlery business in Binghamton, N. Y., he has associated himself with the well-known wholesale house of Supplee Hardware Co., Philadelphia, and will represent their cutlery department.

The Charles Dittmar Hardware Co., No. 2019 South Broadway, St Louis, Mo., have recently commenced business under very favorable auspices. They will carry in addition to builders' and general Hardware, a complete line of tools.

Revised Price List of Gun Wads.

The Union Metallic Cartridge Co., Bridgeport, Conn., and New York, have issued, under date of October 15, 1894, the following revised Price List of Gun Wads:

REVISED LIST PER THOUSAND OF UNION METALLIC CARTRIDGE CO.'S GUN WADS.

Per 1000. Gauge.	4	5	6	7	8	9&10	11&12	13to16	17to20
Card Board, plain, 3 thicknesses. "A" thickness for over powder 72 1000 in. thick "B" thickness for over shot 40-1000 in. thick.. "C" thickness, extra thic, 28-1000 in. thick.. "A" thickness will be shipped when orders do not specify others.			$0.34	$0.24	$0.26	$0.22	$0.18	$0.18	$0.18
Card Board, printed, "B" thickness only, 40-1000 in. thick, with shot numbers and special names			.40	.32	32	28	.24	.24	.24
Black Edge, regular	$2.00	$1.30	1.20	.80	.80	.70	.60	.60	.60
¼ in. thick					1.20	1.05	.90		
⅜ in. thick					3.50	2.75	2.50		
Pink Edge, regular	2.75	2.25	1.75	1.50	1.50	1.25	1.00	1.00	1.00
¼ in. thick					1 75	1.50	1.25		
White Felt, ⅜ in. thick... For use over powder only. Prevent leading and fouling of the barrel and do not blow to pieces. Express.	7.00	6.00	5.00	4.00	4.00	3 00	2.75	2.75	2.75
⅜ in. thick, White Felt..						3 00	2.75		
½ " " " "						5.00	4.25		
A lubricated White Felt Wad, covered with black grease-proof material. Specially adapted for use over nitro-powder.									
Salmon, regular Black Edge thickness				.60	.80	.70	.60	.60	.60
¼ in. thick					1 20	1.05	.90	.90	
⅜ in. thick					3.50	2.75	2.50	2 50	
A soft Black Edge Wad, without grease, covered with salmon colored paper on both sides, especially for nitro-powder.									
Trap (field)					1.50	1 25	1.00	1.00	
Specially made to be used over powder with the black side down and are thoroughly waterproof thus protecting the powder from dampness and grease.									
Shot Felt, thin Black Edge, not lubricated, for over shot					.75	.65	.55	.55	

Wads ⅜ and ½ inch thick packed 125 in a box. All other Wads are packed 250 in a box. Wads will be supplied in half gauges, cut to order. Discounts unchanged.

UNION METALLIC CARTRIDGE CO., Bridgeport, Conn., October 15, 1894

The Connecticut manufactories are gradually getting into excellent working shape. The Woven Wire Mattress Co. have one hundred men at work, and some are working overtime. The Pratt & Whitney people have eight hundred men at work on full time. The Collins Co., who do a large export business in axes, have six hundred hands working full time; and throughout the state there has been a revival of business which is as gratifying as it is marked.

Information comes from Norfolk, Va., that "the Farmers' Mfg. Co., will shortly be in the market for two car loads of 300 fine, soft steel nails; one car load assorted tack and hoop nails; 50,000 sets of light crate hinges, and 3,000,000 patent hoops."

The New England Screw Co. of Boston, Mass., have been compelled by their largely increased business to move into more commodious quarters at No. 240 Dover Street.

The Carrier Cutlery Co., Havana, N. Y., turned out its first knife on September 26th, and the same was promptly donated to the local fire department.

The Stanley Works, New Britain, Conn., will have to make a great many more shelf brackets before they get even with the orders now booked.

The many friends of Philip Corbin, New Britain, Conn., will be glad to learn that he has been completely restored to health.

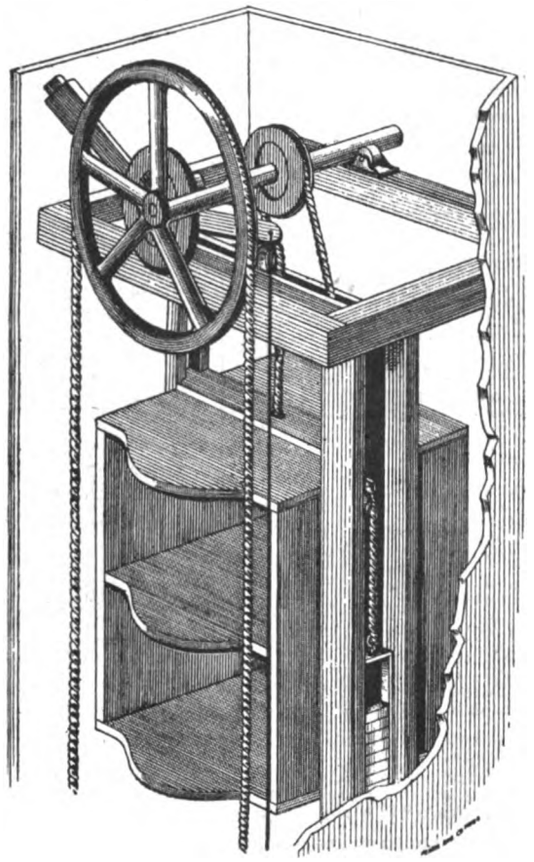
Landers, Frary & Clark, New Britain, Conn., are thousands of dozens behind orders on their new serrated bread knife.

The Baackes Wire Nail Co., Cleveland, Ohio, have concluded the manufacture of nails for an indefinite period.

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The Philadelphia Dumb-Waiter.

The Energy Mfg. Co., Nos. 1115 to 1123 South Fifteenth Street, Philadelphia, Pa., so long and favorably known for their manufacture of self-retaining elevators, dumb-waiters and hoists, are placing upon the market the Philadelphia Dumb-Waiter here shown. They describe it as "positively self-retaining, automatically holding the load securely without the use of clamps or other fastening. If the operator lets go the hand rope at any point whatever the cage remains securely



suspended; the heavier the load the more tightly it is held." They also refer to its simplicity of construction, "there being no complex mechanism, no hidden parts, nor mysterious combinations; everything open and clear, so that everybody can can see its make-up and the principle on which it holds the load, viz.: a shoe engaging on the inside of the rope wheel, this shoe being swung eccentric with the rope wheel. The shaft is cold rolled steel, runs on roller bearings, and the rope wheels are heavy enough to give momentum, so the machine runs perfectly free and easy. To lower a load, it is only necessary to relieve the check line and the car descends itself, the speed of descent being controlled by a slight pull on the check line. It can be stopped by either pulling hard or letting go the check line, so that it is an absolutely safe Dumb-Waiter even in the hands of the inexperienced. The fixtures are shipped completely set up, ready for bolting to their place; no brakes to set, no mechanical work to be done, nor problems in pulleys to be solved by the purchaser. They run light, quick and easy, and will not cause worry and expense for continual repairs." Catalogue sent upon application.

Mr. Kenworthy's Assignment.

James P. Kenworthy, the well-known Hardware merchant on Chambers Street, New York, made an assignment to R. T. Hazell on October 9th. Mr. Kenworthy is so well known to the trade that the knowledge of his failure was received with much regret by the trade. Two years ago he had met with a success which led him to believe that his business could be extended with profit, and he obtained commodious warerooms on Chambers Street, and established an agency in Philadelphia. But values then began to shrink, and losses took the place of profits, in a way that, when they do occur, always surprise the shrewdest of business men. Battling with hope against the inevitable, he has found it impracticable to continue. His liabilities are stated to be $13,000, but the assets, owing to the confusion of the affairs of the Philadelphia agency, cannot be accurately stated. A meeting of the creditors has been called to be held in New York, October 25th, to decide upon various matters, after which a more definite statement, especially with regard to the affairs of the Philadelphia agency can be had. Mr. Kenworthy has the kindliest feelings of all with whom he has been connected, and it is believed that an arrangement with his creditors will not be a matter of serious difficulty.

Gentlemen's Model Tool Chest.

C. E. Jennings & Co., No. 79 Reade and No. 97 Chambers Streets, New York, are placing upon the market their Gentlemen's Model Tool Chest No. 80, which is very complete in its conveniencies, appointments and contents. The outside measurement of the chest is two feet five inches long, one foot three inches wide, and eleven and one-half inches deep. The chest is made of extra quality and heavy hard woods, nicely finished in oil, and varnished, dove-tailed corners, extra heavy and ornamental base, with two large inside sliding drawers, and partitions and saw rack, with extra strong folding handles and tumbler lock. The chest contains one hundred and forty useful articles, and the price is sixty dollars. Cheaper tool chests, as low as five dollars, are also furnished, the prices varying according to style, quality and quantity of tools. C. E. Jennings & Co. will furnish catalogues of these chests upon application.

Keg of Wire Carpet Tacks.

The Taunton Wire Nail Co., Taunton, Mass., are offering the trade the Miniature Keg of Steel Wire Carpet Tacks here shown. It is certainly a useful and convenient little article for any household. It is a one-gross box, containing a full assortment of carpet tacks, made in polished, blue or tinned; the assortment consists of tacks Nos. 6, 8, 10 and 12. They are also put up in one-half gross boxes. They describe the article



as showing the tacks in a salable form, and ask the pertinent question: Did it ever occur to you that wire carpet tacks and wire nails are not only far superior but much cheaper to use? This company will be pleased to send price list, etc., upon application.

The Boston Belting Co., Boston and New York, have issued a handsome colored sheet describing and illustrating their "Imperial" Spiral Piston Packing, which is made in the form of a continuous ring, and is shaped to the rod and box, thus avoiding the trouble of bending to fit its place. They would be pleased to have the trade write for price and discount.

Samuel Winslow, the founder of the Samuel Winslow Skate Mfg. Co., Worcester, Mass., has passed away, at the age of sixty-seven years. He was a useful man in many fields of labor, and served as mayor of his home city. Time and space are too brief here to make fitting mention of his life and labors, which we shall do in the issue next succeeding.

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Review of the Markets.

Money: The financial world is somewhat disturbed by the renewal of gold exports from America, and the serious illness of the Czar of Russia. Politics in the United States, in view of the approaching election, are also a factor. All these factors are simply incidental. The production of gold is increasing now quite rapidly all over the world, and the process now going on is one of equalization and not such as to cause alarm. As to the Russian problem, there is little to say. It is a country of the unknown, indeed mysterious, and if a new monarch takes the place of the present, and precipitates war, which might involve all European nations, the course of events could not be otherwise than favorable to this country.

As to the coming elections, it has always been a half-way mystery why the people of the United States should stop in their commercial transactions, whenever there is some doubt as to the distant future of the control of the affairs of the country. There can be no change in the control of the affairs so far as the finances of the nation are concerned, until 1897. Meanwhile the wants of the people will not be less than they are now, and this provision has to be made under all circumstances. The tide may ebb and flow, but in the end it averages the same.

In Hardware lines the tone of busines is constantly improving, although there are lulls in the tide which are somewhat discouraging.

In builders' Hardware there is little doing at the moment, and the market is heavy. It is not expected that much will be done, except in the way of general repairs, until after the commencement of the new year.

Manufacturers of scales report a business this year much better than last, and about equal to that of previous years. Dealers feel much encouraged at the outlook. The dealers in tools and machinery report a very fair demand from all classes of machinists as well as manufacturers. This reflects an encouraging state of affairs in those sections of the country which produce for the consumer of the country. A dealer from out of town was in the city the other day and remarked that it was almost impossible to fill even small orders, the manufacturer being short of stock. Many an order which had been given has afterwards resulted in a withdrawal for this reason.

Mechanical rubber goods men report a very fair business in belting and packing. In specialties there is not so much doing.

In rope and cordage the business is fair, but far below the average in former years. Prices are fairly held, but not much movement in product is expected until after January 1st.

In paints the market for the past fortnight has been very dull. It is said that conferences are being had among the leading corroders for the purpose of establishing more uniform prices, both for domestic and the foreign production. In White Lead trade is somewhat dull; some inquiries having, however, come from the West, but at low prices. In Red Lead there is a light demand. For litharge the demand is light, both from the rubber and glass trades. In barytes there is a fair ordinary inquiry for small lots. Chalk is quiet. Mixed paints are in very good request. Retailers are stocking up with confidence. Glues are steady, prices being well maintained.

In Window Glass the trade is dull, sales being far below the average. Importers so far are holding up prices, with some indications of cutting before long. The Oriental war has closed a large market for Belgian. Discounts are reported at 70&5 per cent. for large quantities. Plate Glass is not in a satisfactory condition. While the competition is severe, an effort is being made to advance prices. Discounts are 70&10 per cent.

Linseed Oil is in light demand, the paint men being out of the market.

The Dean Linseed Oil Co., New York, quote the prices of pure linseed oil as follows: Raw, 56 cents per gallon; Boiled, 59 cents per gallon.

Wire Nails are in good demand, the products of the mills having been sold well ahead. Prices are not altogether satisfactory, and buyers seem to be "playing the market" for lower quotations. A price at the mill in the West is mentioned at 95 cents, but owing to high freight rates, $1.20, $1.25 and $1.30 out of store in New York is asked. For Cut Nails there is a fair demand, prices being 87½ cents on the dock in New York, and $1 out of store. Barb Wire is somewhat weak in tone, $1 95 being asked at the Pittsburg mill.

Metals: The market for tin is somewhat flat, with prices weak In Copper, affairs are rather dull, consumers for the moment being well stocked. In Lead the market is very low, with a weak tone. Spelter is steady, with little business. Antimony is quiet, but steady.

The demand for Strap and T Hinges was very good until about the 15th; since then it has been somewhat unsatisfactory. In many lines this report comes in, and this state of affairs is ascribed to a neglect of business for the sake of politics.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	11¼
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10½
Anchor Rolling.....	10½
Baltimore Rolling.....	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 8⁄16 inches, incl ...17c. ₩ ℔	
Over 8⁄16 to 5 " " ...18c. "	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 8⁄16 inches, inclusive..18c. "	
Over 8⁄16 to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ ℔....	8¼
Cookson's.....	10
Lead.	
Foreign.....₩ ℔....nominal.	
Domestic.....	3½@3¾
Spelter.	
Foreign.....₩ ℔....	4¼
Western, common.....	4@4¼
Zinc.	
Sheet, cask.....₩ ℔.....	5@5¼
Tin.	
Straits, 10 ton lots, spot ₩ ℔	16
Straits, store lots.....	17
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4¼
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC....	5½
Each X $1.50.....	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4¼
Do 20x28.....	9.25
M. F., 14x20.....	6¼
Do 20x28.....	12.00
Dean, 14x20.....	4¼
Do 20x28.....	9.00
D. R. D. grade, 14x20.....	4¼
Do 20x28.....	8½

Clapp & Co., bankers and brokers, New York, in their weekly market report, say that the wheat crop of the world is superabundant, but that there is an amount of waste and extravagance in its use going on that may soon dissipate the apparent surplus The better grades of flour are now made in preference to the cheaper, as heretofore, and the feeding to animals is at its maximum. In corn the crop will turn out better than expected, and an economy in its use will possibly prevent an extreme price. Russia is shipping large quantities of oats to England, double that of one year ago. Provisions are becoming somewhat scarce on account of the economy in corn. Railway stocks are influenced by poor gross earnings and some manipulation. The economies in the management of the roads are not yet known, and so far as they will offset the decrease in gross, is yet problematical. The crop movement in cotton is nearly twenty-five per cent larger than last season at this time. The prices of cotton and wheat, we will add, are very low and a large factor in the present situation.

THE BOSTON TRADE.

Reports throughout New England indicate that business is in a satisfactory condition, and at this time when few orders are placed for future delivery, attention is paid only to those items which are in immediate demand. In this line there is an activity which is fairly satisfactory, but we notice the same conservative tendency which has been dominant through the past year. This caution on the part of purchasers has had good effect on trade. Few failures are reported, and it is evident in this locality that the Hardware trade may be said to be in a healthy financial condition.

The low prices which are ruling seem to have no temptation to buyers, other than for immediate necessities, and as long as the great staples, wheat, cotton and iron, are held at present quotations, we can see no reason for advances.

FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

The hopeful feeling in trade is strengthening daily, although so far it is largely a sentimental feeling, and has not been sufficiently strong to induce buyers of Hardware to order goods in any quantity. Perhaps a better variety is in demand, and it is a fact that tools are once more selling, showing that mechanics and laborers are being furnished with some employment. It is fortunate that such is the case, for the enforced idleness of last winter probably consumed all the savings of many of the

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laboring people, and another winter of idleness would necessarily entail much suffering.

It seems that business is better in other lines than Hardware, but this may partially be accounted for on the ground that most enterprises requiring Hardware are started in the spring and not in the fall, and that it is not reasonable to expect a greatly increased business until next spring.

Prices are without decided change, although it is very evident that many of the manufacturers are heartily sick of the low prices which have been prevailing for such a length of time, and this is shown by the numerous meetings which are being held among manufacturers with an idea of agreeing upon higher prices. With many it is a case of life or death, and the tendency towards combined prices was perhaps never so strong as to-day. It is now so near the end of the year, that a review of some of the declines of the year is entertaining, and while we have not time nor space to go into the matter fully, the extent of decline may be seen by glancing at a statement. It is safe to say that

Machine Bolts and Lag Screws have declined	25 %
Common Carriage Bolts	20 %
Screws	40 %
Screw Hook Hinges	15 %
Cast Steel Bits	12½%

While the declines on these items are perhaps exceptional, still they indicate the severity of the changes of the year, and it certainly seems very improbable that prices can go lower, as many of these goods were thought to be at bottom a year ago.

Biddle Hardware Co.

THE CHICAGO TRADE.

We think that trade the last two or three weeks has shown some slight gains; dealers seem a little more willing to cover what looks to them to be actual needs and wants, but it is still done in a very conservative manner, and the principal difficulty that the jobbing and manufacturing trade are now laboring under seems to be the character of the orders and specifications that come to them to fill. It seems almost impossible to get a dealer to look ahead for more than his actual needs but very few days, and while consumption is undoubtedly going on all the time, most of them seem willing to lose some business which they could otherwise get, rather than order goods which there is a possibility of their not being able to turn into money very quickly.

The number of orders received for several weeks past has been very satisfactory, but the quantities ordered are so light that the total business shown cannot fail to be disappointing. Some lines of goods have been moving quite actively, and on those particular lines the factories seem to be decidedly short of goods. Almost the universal expression of opinion from trade is to the effect the stocks they are carrying are exceedingly light, and if something of a decided or pronounced character should occur to re establish the confidence of the business commuity, they do not see any reason why the demand should not be very materially increased. We are looking somewhat to the fall elections to give an impetus of this character, and we certainly hope that it will materialize.

Woodrough & Hanchett Co.

THE LOUISVILLE TRADE.

Following our last report, was a period of sluggish and small demand, until the 15th, when a noticeable improvement developed in the frequency and diversity of orders. In the usual course of trade, this is not surprising, for we have entered upon the fall trade period, and exhausted stocks render replenishment necessary.

Speculation as to the continuance of improvement noted, in the light of previous predictions, seems like treading on uncertain ground, hence we will await developments before stating our views. Manufacturers complain of slim margins of profit, but if there is truth in the adage that "misery loves company," they ought to be consoled.

Efforts have been made to advance prices of some goods, but without effect. No decline has taken place, however, and if demand continues to quicken, we see nothing to hinder a better tone and slight advances. We quote: Bar Iron, $1.15 and $1.25; Cut Nails, $1.10, and Wire Nails $1.25 for good averages; Barbed Wire, $2.25 for galvanized. All from stock. We have full stocks in all our lines, and make immediate shipments, thereby enabling our patrons to dispense with heavy outlay in carrying big stocks. This is an advantage not to be overlooked in times like these.

The Todd-Donigan Iron Co.

THE DAVENPORT TRADE.

The terrible, almost revolutionary, strike has become history; the slow and tedious Fifty-Third Congress is a thing of the past; the County and State fairs have put up their shutters and closed their gates for another season; an average crop has been harvested; political excitement, incident to fall elections will soon be over, and it does seem that there is nothing now to detract the minds and muscle of the people from their usual vocations.

Prices of Hardware are low. The strife in the far East cannot effect our business interests unprofitably. It would seem, therefore, that the conditions are favorable for a healthy fall trade.

The advance in nails lasted about the same length of time, and met the same fate as the recent advance in screws. The combine, association, or whatever it may have been called, on screw and strap hinges has collapsed, and prices have already dropped over 20 per cent. Rope market is unsettled, with lower tendency. Manufacturers are making an effort to advance the price of barbed wire. Some of the mills claim to be sold up in sheet iron and sheet steel, but there is a lack of firmness in the market. Skate orders are being placed freely by the retail dealers.

Orders are conspicuous in numbers, and also in the small amount of money they represent. It is a significant fact that mail orders are larger and agents' orders smaller, than at this season a year ago.

The excellent condition of the roads facilitate marketing of the grain, and there is no cause for complaint in the way of collections.

Sickels, Preston & Nutting Co.

THE BALTIMORE TRADE.

Business for the past fortnight has been entirely satifactory, and compared with the corresponding period of last year, shows a gratifying increase. Were the same goods being sold at the prices ruling during the fall of 1893, the increase would have been more notable. As it is, we accept the present condition as a turning point and buoy ourselves with the belief that better times are ahead. To those who, during the past year, have sought beneath the surface for the cause which brought about such widespread distrust and uncertainty, the time has not been ill-spent nor fruitless. They have been brought into a truer knowledge of their business. Details which in past years were unknown to them, suddenly assumed prominence. The friction in the cog-wheels, unnoticed when the machinery was running full speed, gave forth harsh and discordant sounds when the engine slowed up. During the temporary "shut-down" if you made the proper repairs, you are all right.

Notwithstanding the very low price of cotton, our representatives in the far South are securing a fair amount of business. Many of these orders duplicate goods bought earlier in the season. This in itself is a good sign, and shows the conservative spirit existing in that section.

Of course, our gun business just now is in excess of the other departments, but seasonable goods are receiving a fair amount of attention.

The recent concession in the price of Gun Wads by the Ammunition Association was in the nature of a surprise to many of us. Does it herald a decline on some other related goods? It is generally the "unexpected" that happens. Prices on staples remain practically without change, although some of the tool manufacturers in the Pittsburg region promise an advance. With such a meagre demand for tools, it is questionable how long such an advance would last. Competition is fierce, and the manufacturers have yet to learn from the labor leaders the lesson of "sympathetic" advances.

The Tabb & Jenkins Hardware Co.

THE AUSTRALIAN TRADE.

Actual trade operations for the past month do not show any improvement over the preceding four weeks, but there is really

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nothing in this to occasion any disquietude. History repeats itself; and succeeding all depressions there are alternate periods of improvements, slight retrogressions and calms in the volume of trade, with an upper tendency generally prevailing, showing that extreme caution obtains in all transactions, with a realizing sense that it is wiser to proceed slowly. There is a distinct undercurrent, however, setting toward better times; and this, joined to the important factor of advances in the prices of wool, mutton, tallow, silver, tin and copper, constituting the major portion of Colonial exports, tends to strenghten the belief that matters are on the mend, and consequently a more cheerful tone prevails in commercial circles.

Then, too, a pretty general reduction in bank deposit rates has taken place, making a fair amount of money available in the open market on easier terms.

McLEAN BROS. & RIGG, LTD.
Walter J. Travis, Mgr.

Nos. 52 and 54 New Street, New York.

THE VARNISH AND COACH COLOR TRADE.

There has been little change in the situation since our last letter. Varnish and Coach Color business maintains some improvement in bulk of business transacted over last year and the past summer. Collections are not equal to expectations, and are not equal to what they have been during the last three months. It is hoped that an improvement in this line will shortly follow the improvement of sales.

EDWARD SMITH & CO.

Times Building, New York.

The edge of a good razor is very sensitive. A Swedish razor will get a small gap in the blade on the slightest provocation. It should be used for only one purpose, that of shaving the face. An experimentor who put one of these razors through a bunch of hair, found that it was like a saw when he had finished the operation.

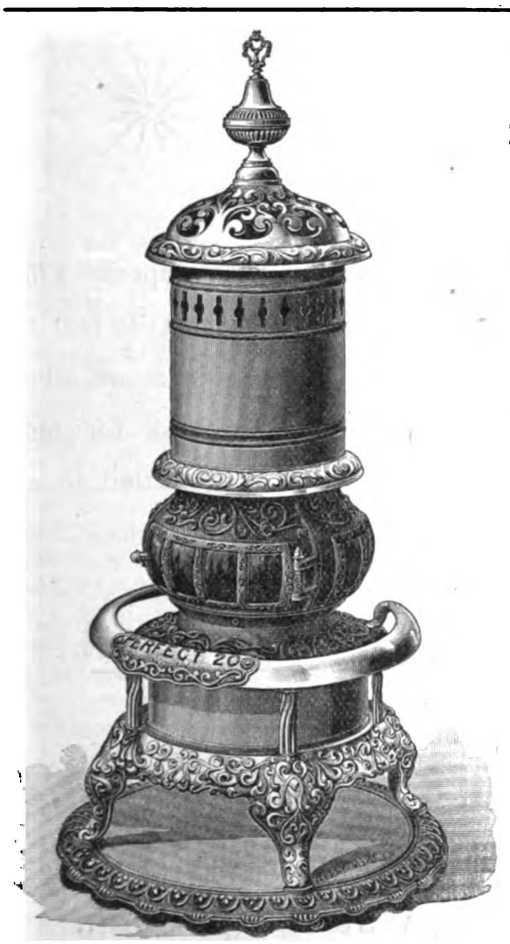
We have been informed by W. R. Daughtry, of Opelika, Ala. that he has a new article in brass for which he has not made manufacturing arrangements. He would be pleased to hear from makers of brass plumbers' goods and useful novelties, who may have a desire to invest in an article of that character.

Death of Samuel Winslow.

Hon. Samuel Winslow, ex-mayor of Worcester, Mass., and founder of the Samuel Winslow Skate Mfg. Co., died at his residence in Worcester on the morning of Sunday, October 21st. He had been suffering from a complication of diseases for nearly a year, and for six months or so had been confined to his house. During the two weeks preceding his death he failed rapidly, but the end came in peace.

Mr. Winslow was one of Worcester's most enterprising and successful business men. He was born in Newton on February 28, 1827, a descendant of Kevelin Winslow, brother of Gov. Edward Winslow, of the Massachusetts Colony. He received his education in the schools of his native town, and, after leaving school, was employed in the manufacture of cotton machinery, and so rapid was his advance that at the age of twenty he was foreman of the shop with over fifty men under his charge. In 1855 he moved to Worcester, and formed a partnership with his brother, Seth C. Winslow, and started a machine shop. In 1857 they began the manufacture of skates, in which they were specially successful, and out of that effort has grown the great corporation of the Samuel Winslow Skate Mfg. Co., of which Mr. Winslow owned a majority of the stock, and held the position of president and treasurer. Mr. Winslow proved himself a good citizen in other lines of labor, serving as member of the Common Council of Worcester, a representative in General Court, alderman of the city, and finally mayor. In a succeeding issue a more extended notice of his private and public labors will be given, as neither time nor space will permit adequate mention here. It is needless to say that from his usefulness and high character, his loss is greatly mourned not only by his immediate associates, but by the entire community of which he was a part.

The cheapness of iron at the present time is bringing it into use for many purposes which a few years ago would have been impracticable. Everyone knows that in the back yards of houses in cities the unsightly wooden pole for clothes line purposes has long held sway, but now the slender iron pole is taking its place, and, naturally, it is an innovation that will prove in the course of time to be universal.



No. 20 Perfect.

The Perfect Oil Heaters

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., Brooklyn, N. Y.



No. 12 Perfect.

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Situation Wanted.

AN experienced traveling man desires position with manufacturing concern to represent them in one or more large cities. Best of reference. Address A. J., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced salesman in shelf, heavy and carriage Hardware, desires a situation. Can furnish best of references. Has an established trade. Address L., care HARDWARE, No 143 Chambers Street, New York.

WANTED, by a young man seventeen years of age, a position in Hardware store, wholesale or retail; has had three years' experience; best of city reference. Address Francis Pielow, No. 210 East Thirty-eighth Street.

Agencies Wanted.

I WANT to handle, on commission, in Philadelphia vicinity, the output of some building Hardware manufactory. Have thorough acquaintance with architects, builders and Hardware people. Good reference. Address Grant G. G. Gist, No. 721 Jayne Street, Philadelphia, Pa.

Side Line Offered.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

Richard W. Shapleigh, of the A. F. Shapleigh Hardware Co., St. Louis, Mo., has been upon a visit to New York, and under the pleasant guidance of Mr. Fairbean, of the Charles Parker Co., has been calling upon his many friends along Chambers Street.

Pillsbury's large axe factory at Napanoch, N. Y., was destroyed by fire October 14th, at a loss stated to be $25,000. It is said that the factory had for some time been devoted to the manufacture of tobacco knives and small tools.

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS SOFT, STRONG and CLEAN as we use ONLY NEW METAL. NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK.

HAIGHT & CLARK, - - ALBANY, N. Y.

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents.

The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels.
——Star Oilers, 15 cents.——

CUSHMAN & DENISON, 172 9th Ave., N. Y.

Please Read This **Special Offer No. 5**

We will send via Registered Mail to any Hardware dealer in the United States, *ONE ONLY.*

Majestic Berry Spoon,

Gold-Lined Bowl, Extra Plate.

For One Dollar ($1.00)

Cash and business card must accompany the order.

Regular Price to the Trade:
Gold-Lined Bowls, $2.75 each, List.
Plain Silver " 2.00 " "

Discount:
40, 15 and 6 per cent. Cash.
F. O. B. Waterbury.



We make this Special Offer (which is below cost) to test the value of HARDWARE as an advertising medium. Don't ask for more than one, as you are not entitled to and will not be furnished more at the price.

When ordering, ask for Special Offer No. 5.

The Rogers & Hamilton Co.,

Manufacturers of HIGHEST GRADE SILVER-PLATED WARE,

Factories and Main Office, Waterbury, Conn.

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If an advertisement in a journal like this don't pay, the only reason there can be for it is what you say or fail to say in your ad.—that's all. If not satisfied, write Walter L. Gallup, Writer and Director of Advertising, 112-114 Dearborn Street, Boyce Building, Chicago.

The Reading Hardware Co., Reading, Pa., are placing in their New York warerooms, Nos. 96 and 98 Reade Street, a handsome sample room, which will compare very favorably with any apartment of that character in the city. The room is about 16x40 feet, is finished handsomely in oak, with a top of fine plate glass. With the line of goods that are displayed and the accompanying surroundings, the whole presents a very attractive appearance.

The use of what is commonly deter minated conductors' punches, is growing in many directions. In some stores in the West, a purchase of the value of a dollar or more is entitled to a cash premium at the pleasure of the customer, and these punches with their various combinations are used to designate the amount due the customer on the sale.

Joseph H. Seed, Nos. 21 and 23 Centre Street, New York, says that this has been one of the best seasons he ever had, the sale of his Self-Cleansing Water Filters having more than trebled that of any previous year.

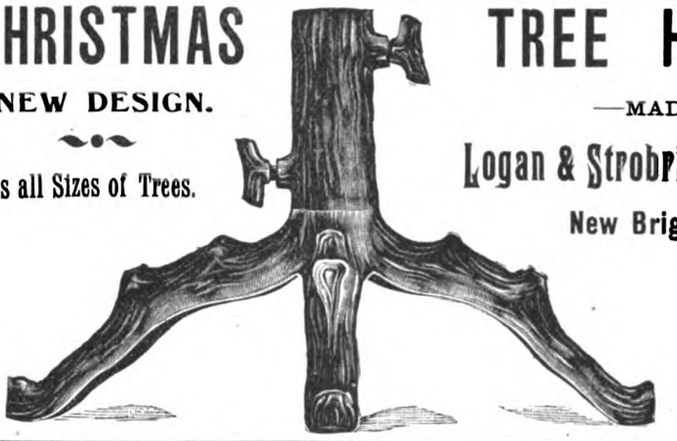
George H. Chatillon, of John Chatillon & Sons, New, York has returned from his country place and taken up his residence in the city permanently for the winter.



CHRISTMAS TREE HOLDER.

NEW DESIGN.

Fits all Sizes of Trees.

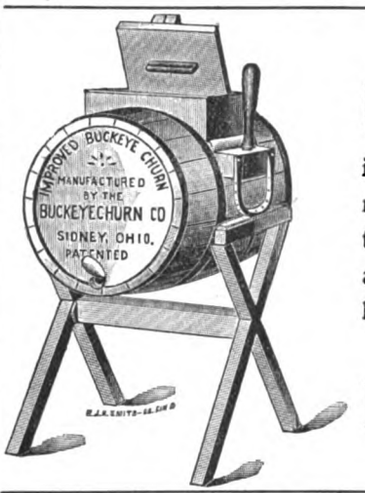


—MADE BY—

Logan & Strobridge Iron Co.,

New Brighton, Pa.

SEND FOR CIRCULAR



THE BUCKEYE CHURN

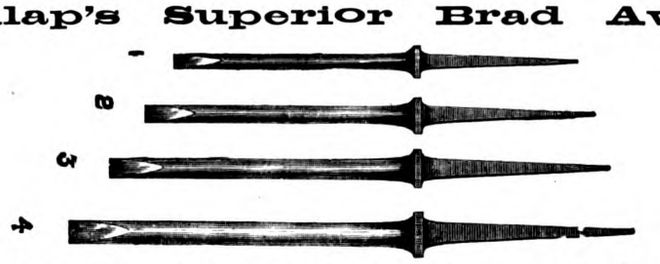
is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.



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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Albert Lea, Minn.—C. P. Kiel & Co.
Clearfield, Pa.—J. & A. France.
East Prairie, Mo.—Robert Parks.
Eddyville, N. Y.—Newton Davis.
Fargo, N. D.—N. D. Katz & Bro.
Guthrie, Okla.—S. H. Noble.
Lakeville, Ind.—Moore Bros.
Newton Highlands, Mass.—G. N. B. Sherman.
Prescott, Ark.—I. D. Gee.
St. Louis, Mo.—Chas. Dittmar Hardware Co.
Table Grove, Ill.—A. F. Miller.
Tariffville, Conn.—Charles H. Olcott.
Verbank, N. Y.—A. H. Lovejoy.

Record of Changes.

Alpha, Iowa.—J. B. Hathaway & Co., Hardware, succeeded by Davis Bros.

Ann Arbor, Mich.—Harding & Schaffer have purchased the Hardware stock of John H. Ketchum, and have removed the same to their store.

Bangor, Pa.—The firm of Bartolette & Farber, Hardware dealers on Main Street, are about to ship their goods to Scranton, where they will engage in business.

Bartlett, Ohio.—L. E. Goddard has purchased the Hardware store of W. W. Johnson & Son.

Beallsville, Pa. — Mitchell Bros., Hardware dealers, have dissolved partnership.

Bellingham, Minn.—Minzel & Schuett, Hardware and agricultural implements, dissolved.

Carmine, Tex.—J. C. Hillman & Sons, Hardware, reported sold out.

Clearmont, Mo.—Cullom & Wolfe, Hardware and harness, now Wolfe & Houston.

Clinton, Ark.—S. W. Simpson, Hardware, stoves, etc.; succeeded by C. E. Simpson.

Elmwood, Neb.—Bailey & Greeson, Hardware, sold out.

Eureka, Mich. — W. W. Dodge, Hardware and agricultural implements, succeeded by Edgar Belcher.

Fishkill, N. Y.—H. F. Wolcott has sold his Hardware business to a gentleman from Ellenville.

Fort Wayne, Ind.—The Seavey Hardware Co. have reorganized, G. W. Stilson and James Leonard being made members of the firm.

Geneseo, Ill.—Henry Bolte, Hardware, who succeeded Roy White, has made great improvement in the store building.

Gobleville, Mich. — Richardson & Teman, Hardware, sold out.

Guthrie, Okla. — The Richmond Hardware stock has been sold to M. E. Phillips, of Valley County, Neb.

Hedirck, Iowa.—Owen & Ritter, Hardware, etc., reported dissolved.

Kaslo, B. C.—Byers Hardware Co., succeeded by H. Byers.

Kirkwood, Ga.—Barnum & Murdock, Hardware, dissolved copartnership.

Leavenworth, Kan. — W. J. Thompson has gone into partnership with James Swift in the Hardware business on Cherokee Street. The style of the firm is Swift & Thompson.

Lynden, Wash.—C. W. Worthen, Hardware, succeeded by W. I. Baker.

Manistique, Mich. — Middlebrook & Rose, Hardware, succeeded by Mason H. Quick & Co.

Marblehead, Mass. — Henry O. Symonds, Hardware, etc., reported having sold out.

Maryville, Tenn. — Cooper, Brittle & Ambrister, Hardware, succeeded by McNutt Bro. & Moore.

Merrill, Iowa.—John Orban, Sr., Hardware, bicycles, etc., reported sold out.

Mirabile, Mo.—J. H. Conley, Hardware, reported sold out.

Montpelier, Ohio.—Curtis Bros., Hardware, reported dissolved.

Nebo, Ark.—A. O. Young, stoves and Hardware, sold out to Young & Webb.

Newport, N. H.—Ira Stowell has purchased his father's interest in the Hardware business hitherto carried on under the firm name of S. G. Stowell & Son in Woodbury's block.

Ogdensburg, N. Y.—Bowman Brothers have purchased the Hardware business of Earl Brothers and have taken possession.

Orange City, Iowa.—A. Bolks & Son, Hardware, bicycles, etc., succeeded by A. Bolks.

Peabody, Mass.—Trask & Putnam, the Walnut Street Hardware firm, have dissolved partnership. Samuel Trask, the senior partner, withdrawing. Frank Putnam will continue the business.

Penfield, Ill.—Mr. Hall, of East Lynn, has bought the Hardware store of Finley Fowler.

Peterborough, Ont.—E. W. Cox has entered into partnership with A. E. Micks, Hardware merchant, on Hunter Street.

Potosi, Wis.—Hounsell & Bowers have sold their stock of Hardware and harness to Henry Elkamp, of Denver.

Quakertown, Pa.—M. K. Erdman has sold his Hardware store to Howard Stoneback, of Zionsville.

Reinbeck, Iowa.—Myers & Robinson, Hardware, reported sold out.

Rochester, Ind.—Butler & Stockberger, Hardware, dissolved.

Sioux Falls, S. D.—C. Dillion, Hardware, succeeded by W. C. Holmes.

St. Louis, Mo.—Flynn Hardware Co., reported sold out.

Summitville, Ind.—Brimhall & Crowell, Hardware, reported sold out.

Swifton, Ark.—M. E. Coffin & Co., stoves and Hardware, successors to G. L. Coffin.

Talmage, Neb.—Becker & Tangeman, Hardware, reported sold out.

Toledo, Ohio.—E. C. Grossenbacher, Hardware, now E. C. Grossenbacher & Co.

Toledo, Ohio. — Ketel, Katschke & Co., Hardware, etc., dissolved.

Toledo, Ohio.—Smith & Butts, Hardware, reported dissolved.

Troy, Ala.—J. B. Wiley & Co., Hardware, partnership dissolved, W. S. Coleman withdrawing from firm, selling out interest to J. B. Wiley.

Vermillion, Ohio. — Louis Body, for many years our Hardware merchant, has advertised a closing out sale. He intends to go out of the business and expects to move to Cleveland.

Waterville, Minn.—Keegan & Kanne, Hardware, bicycles, etc., partnership reported dissolved.

Westport, Conn.—Nathan S. Kirk has sold his interest in the Hardware business in Westport to his son, George N. Kirk, who will continue the business at the old stand.

Record of Improvements.

Akron, Pa.—G. S. Kemper is building an addition to his Hardware store.

Brockville, Ont.—Morrison & Percival have moved into their new store on King Street.

Chambersburg, Pa.—W. H. Walker, dealer in Hardware, has bought the block on North Main Street, where he will move his store.

Coos, N. H.—A. N. Taylor & Son have moved their stock of Hardware into their new store, which is rapidly nearing completion.

Dover, Pa.—George H. Daron is about to move his Hardware stock to his new store.

Johnstown, Ohio.—R. C. Frederick is building a Hardware store.

Meshoppen, Pa.—Fred Bunnell is erecting a new building to be used for a Hardware store.

Millbury, Mass.—W. R. Cunningham & Son will remove their stock of Hardware into their new building.

Scranton, Pa. — Schneider Bros., Hardware merchants, are erecting a one-story addition to their establishment.

St. Augustine, Fla.—C. F. Hamblen has just erected a new Hardware store.

Business Embarrassments.

Angola, Ind.—John W. Snyder, Hardware, reported assigned.

Cartwright, Minn.—T. C. Cummings, Hardware merchant, has made an assignment for the benefit of his creditors to P. Toew.

Devine, Tex.—J. R. Stout, Hardware, reported assigned to H. W. Four. Liabilities about $6000; assets not stated.

Greenwood, Ark.—J. P. Durden, dealer in Hardware, has assigned.

Ottawa, Ill.—F. D. Sweetser, Hardware dealer, has assigned. Asse s, $30,000.

Quebec, Can. — Marie Marcoux, Hardware merchant, under the name of Noel & Co., has assigned. Liabilities, $16,800; assets, $5325.

Salamanca, N. Y.—The Hardware store of C. E. Gallagher has been closed by the sheriff.

Scranton, Pa.—Selden M. Foster, Hardware dealer, has assigned.

Syracuse, N. Y.—The Hardware store of Chas. H. Goodfellow has been closed on an execution secured by Geo. H. McChesney.

Burglaries in Hardware Stores.

Allentown, Pa.—Frank Keppler, $300.
Asbury Park, N. J.—J. D. Newlin, $175.
Berlin, Neb.—G. H. Hillman, $20.
Canton, Ohio.—R. A. Wilson, $30.
Evansville, Wis. — Baker's Hardware store, $200.
Fostoria, Ohio.—Alcott Hardware Co., $100.
Goodville, Pa.—Sensenig Hardware Co., guns.
Gower, Mo.—J. T. Jamison, $50.
Indianola, Ill.—Michael Fisher, revolvers.
Keosauqua, Iowa.—W. A. Duckworth, cutlery.
Lincoln, Me.—E. A. Wetherbee, $200.
Malta, Ill.—Smiley's Hardware store, cutlery.
Rockland, Pa.—E. C. Borland & Bro., $20.
Saranac, Mich.—Benson & Crawford, $100.
Tabor, Iowa.—West & Savage, $400.
Washington, Mo.—E. G. Busch & Co., guns.
Waterbury, Vt.—Batchelder & Robinson, $50.
Wyoming, Iowa.—B. C. Mackrill, cutlery.

Fires in Hardware Stores.

Allen, Tex.—G. A. Wilkerson; loss, $8000.
Dedham, Iowa.—Edwards & Branmer; loss, $4500.
Fayetteville, Ark.—E. B. Harrison.
Susquehanna, Pa. — Woodruff's Hardware store; no insurance.

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THE WASHBURN

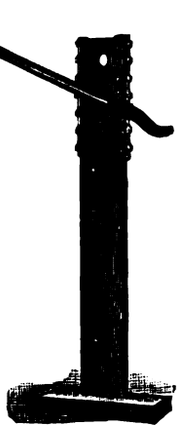
A

PERFECT

WAGON JACK.

NEW,
LIGHT,
DURABLE,
POWERFUL.

Send for Prices, Discount, Etc.



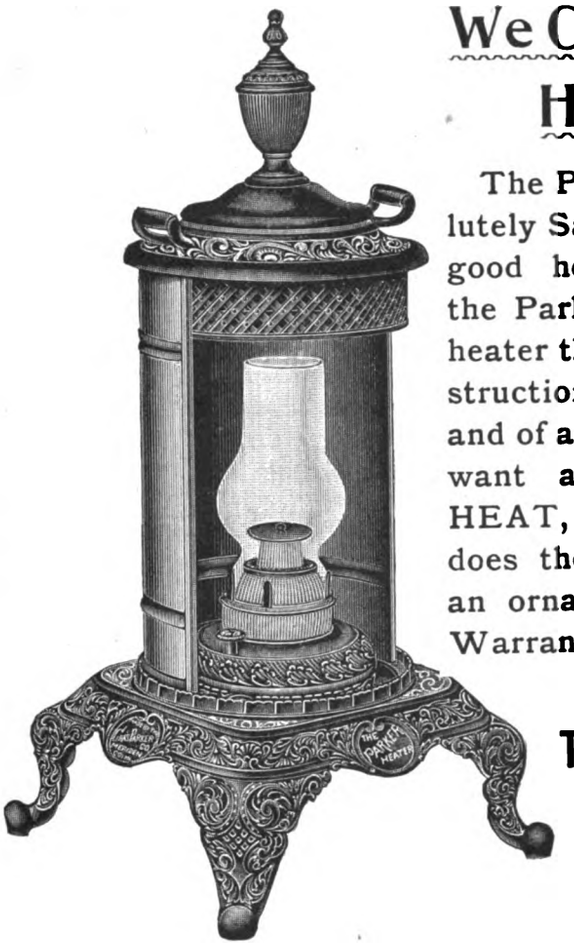
MANUFACTURED BY

GIBBS MFG. CO., Canton, Ohio.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

THE CHAS. PARKER CO.,

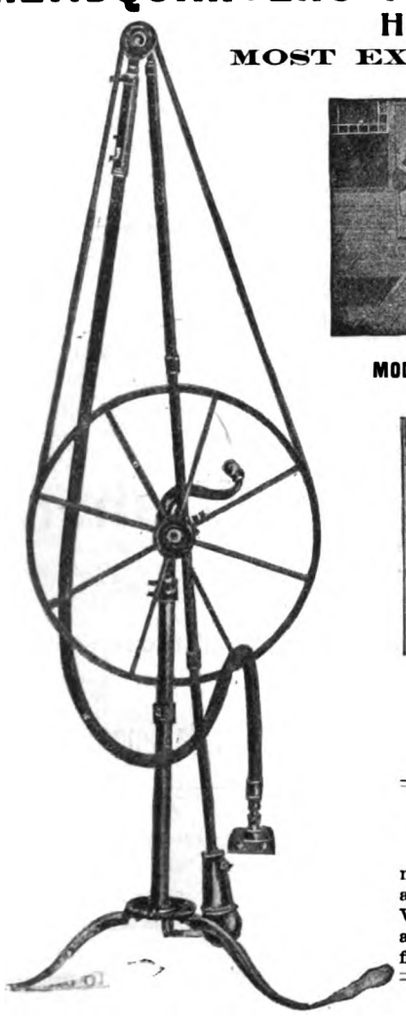
MERIDEN, CONN.

New York Salesroom:
97 Chambers St

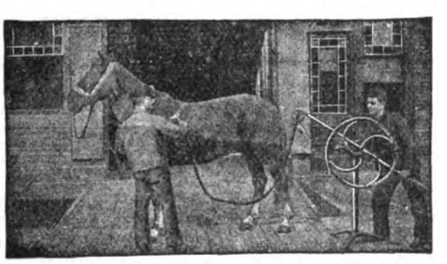
HEADQUARTERS FOR "PRIZE WINNER" HORSE CLIPPERS.

Hand Bicycle, Electric and Steam Power.

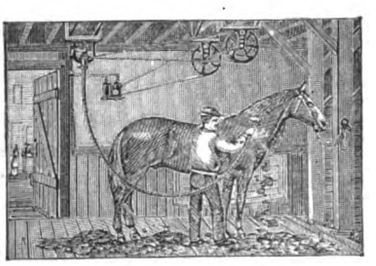
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



MODEL D.—"Champion," Prize Winner, Steel Wheels, Nickel plate. Price $50.00.



MODEL B.—Hand Power. Price $50.00.

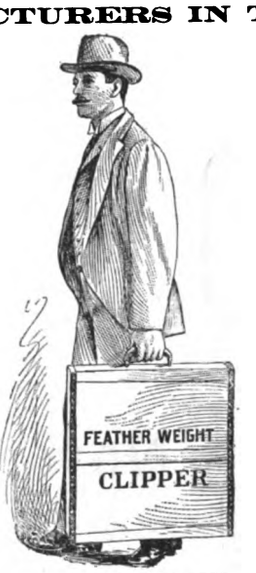


POWER YOKE CLIPPER.
Price $75.00.

CYCLONE CLIPPER (BICYCLE).
Price $75 00.

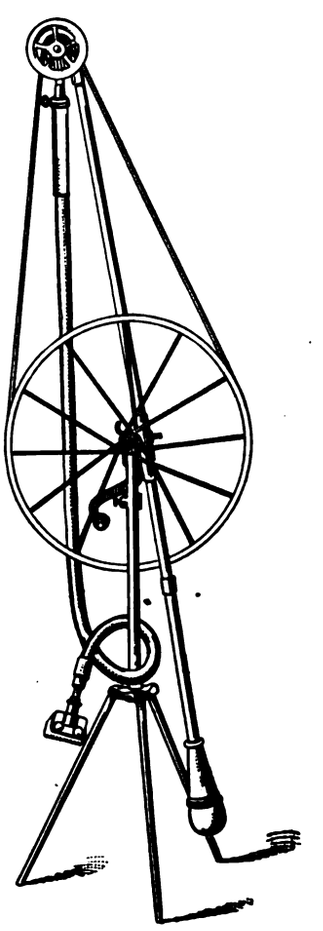
THE CHAMPION.
First Prize. Highest Grade.

Handsomely nickel plated and japanned; steel hubs, rims, spokes, bushing and spindles. Very strong and light. With the latest patent "Leader" knives and handle. Bronze bearings. Highly finished. Price $50.00.



FEATHERWEIGHT CLIPPER.
The Lightest Machine Made.

Weight, 25 lbs., traveling case 8 lbs; mostly steel, bronze and malleable iron. Traveling case, canvas covered, nickel plated lock, 3 hinges, 6 slats, leather handle, also 1 gal. of oil, one oil can, one can of grease and wrench with each machine. Flexible shaft, two knives, the latest "The Leader" and handle. The only portable machine made. Price $35. Send $10 balance C.O.D. Guaranteed perfect.



MODEL E.
FEATHERWEIGHT. Price $35.00.

Gillette Clipping Machine Co.,

201 EAST 23d STREET, NEW YORK CITY.

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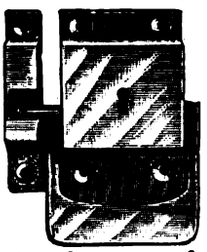
WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
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RUSSELL & ERWIN'S Screws.
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WRITE US FOR PRICES.

THE W. BINGHAM CO.,
146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

Power Presses, Foot Presses, Screw Presses,
HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*
Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.
THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,
Waterbury, Connecticut, U. S. A.

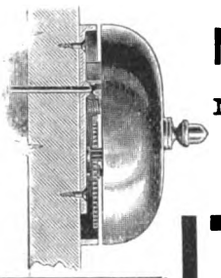
The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,
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Manufacturer of Refrigerator and Ice House Fasteners, Hinges and Faucets.

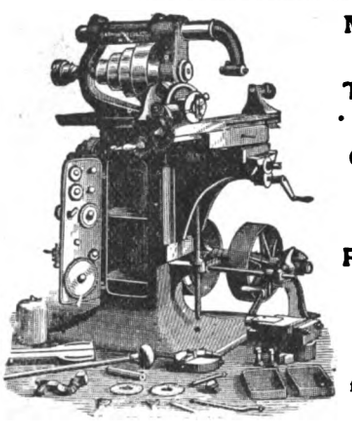


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MULTI-STROKE BELL
HAS
NO CLOCK SPRING
REQUIRES
NO WINDING
AND IS
THOROUGHLY RELIABLE.

Harmon & Dixon,
Gen'l Agents,
118 Chambers St.,
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IT
Produces Electrical Results.
Has No Battery to Get Out of Order.
Operates with a Push-Button.
Rings 75 Times at Each Pressure
Is Simple in Construction.
Has No Clock Spring.
Requires No Winding.
Is Neat in Appearance,
Is Reasonable in Price.
IS ALWAYS IN ORDER.

THE GARVIN MACHINE CO.,
MANUFACTURERS OF AND DEALERS IN

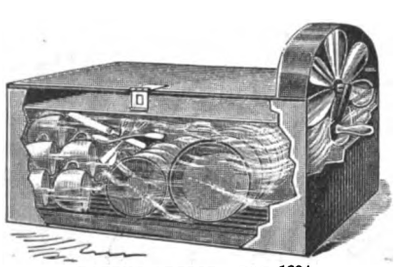


MILLING MACHINES,
SCREW MACHINES,
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HAND LATHES,
CUTTER GRINDERS,
DRILL PRESSES,
ENGINE LATHES,
PLANERS, SHAPERS,
POWER PRESSES,
ETC.

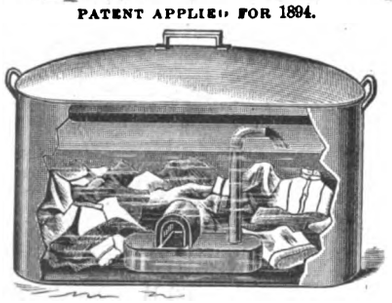
SPECIAL MACHINERY for the MANUFACTURE of BICYCLES.

A Full Stock of New and Second-Hand Machinery Always on Hand at our Warerooms

LAIGHT & CANAL STS., - NEW YORK,
and 51 North 7th St., Philadelphia, Pa.



PATENT APPLIED FOR 1894.



PATENT APPLIED FOR 1894.

BOLGIANO'S
ONE MINUTE DISH WASHER.
Price, $5.00.
For Families, Restaurants and Hotels.

Washes all the dishes in one minute. Washes, rinses and dries them without wetting the hands. Clean and always ready. Does not soil the hands or clothing. The most practical dish washer in the world. Saves hours of labor.

BOLGIANO'S
New Steam Clothes Washer.
Price, 50 cents.

This is one of the most powerful Washing Machines made.
It works automatically.
Saves all the old fashioned scrubbing, as it draws the dirt out of the clothes through a powerful suction.

THE BOLGIANO MANUFACTURING CO., 415 Water St., Baltimore, Md.

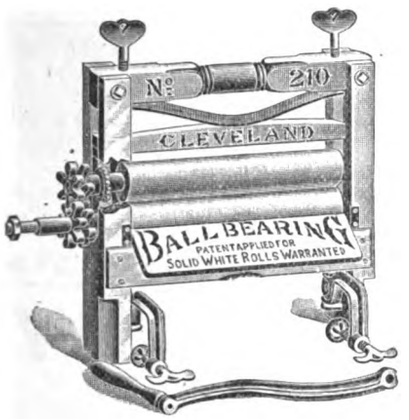
RHODE ISLAND PERKINS HORSE SHOE CO.,
MANUFACTURERS OF **HORSE AND MULE SHOES OF THE PERKINS PATTERN.**

Specialties—X. L. Steel Shoes, Toe Weight Shoes and Goodenough Shoes.
Works at Valley Falls, R. I. Office, 31 Exchange Place, Providence, R. I.
F. W. CARPENTER, Pres. C. H. PERKINS, Gen'l Manager. R. W. COMSTOCK, Secy. CHAS. R. STARK, Treas.

A store presents its best appearance in the evening, and details should be carefully looked after. The store should be well lighted, and the goods arranged in a neat and orderly way. A careful attention to these matters is pretty certain to bring good results.

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A Good Profit to Dealers.



A Ball Bearing Wringer
THE CLEVELAND.

Runs like a bicycle. Very easy to operate. No other like. Can be sold at higher price and better profit than others; hence it pays to push it. It has been on market over year and is giving perfect satisfaction.

Send for Sample or write for Catalogue and Prices.

ALSO ALL OTHER KINDS OF WRINGERS.

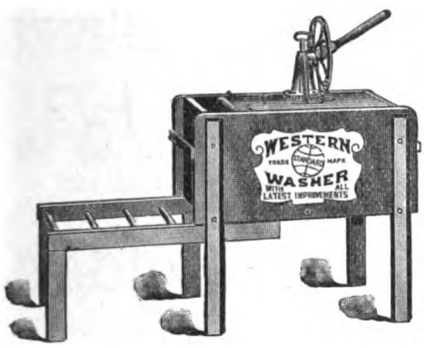
THE PEERLESS MANUFACTURING COMPANY,

CLEVELAND OHIO.

We also make High Grade Bicycles.

Osgood & Howell, Pacific Coast Agents, 132 Market St., San Francisco, Cal.

THE WESTERN
Standard Washer.



OUR SPECIAL CONSTRUCTION,

SUPERIOR WORKMANSHIP,

BEAUTY OF FINISH

—AND—

RECENT PATENTED IMPROVEMENTS

Cause thinking dealers to investigate this Washer, with but one verdict—

IT IS PERFECTION.

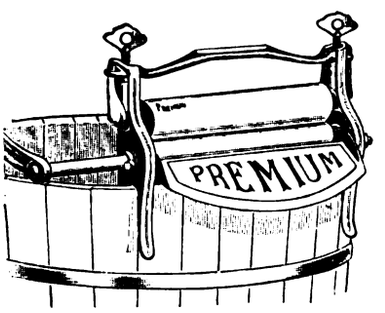
Write for bottom prices.

DIETHER & BARROWS FORT WAYNE IND

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.



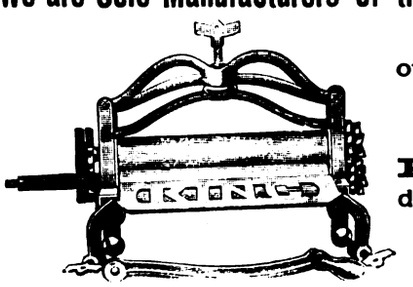
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



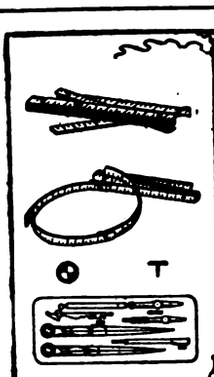
We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

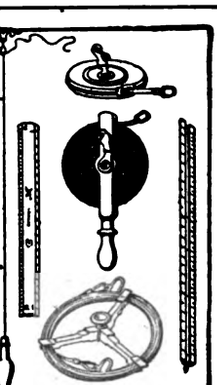
THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.



KEUFFEL & ESSER CO. NEW YORK.
BRANCH: CHICAGO.
FACTORIES: HOBOKEN, N.J.

MANUFACTURERS OF EXCELSIOR MEASURING TAPES.
SUPERIOR QUALITY, LATEST IMPROVED. GREATEST VARIETY
STEEL · METALLIC · LINEN · POCKET TAPES.
EXCELSIOR BAND CHAINS FOR SURVEYORS, LAND CHAINS, &c.
K&E Co FOLDING POCKET RULES.
NO WARPING, NO SHRINKING, NO ILLEGIBLE JOINTS, NO BULK.
2 3.4.5.6 8 FOOT, ALSO WITH PATENT SPRINGS.
FLAT & TRIANGULAR BOXWOOD SCALES, BEST MADE.
PLUMB BOBS, THUMB TACKS, DRAWING INSTRUMENTS.
PRICE LISTS & QUOTATIONS PROMPLY SENT.



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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.



-: TELEPHONES :-

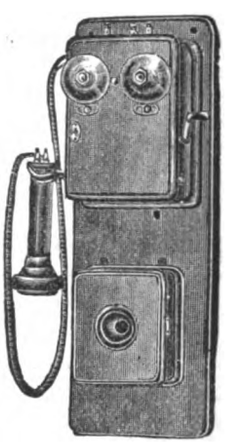
$1.25 Each.

Telephones for long and short lines, Factory and Exchange use.

General Electric Equipment Supplies.

Stanley & Patterson,

32 & 34 Frankfort Street. NEW YORK.



ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

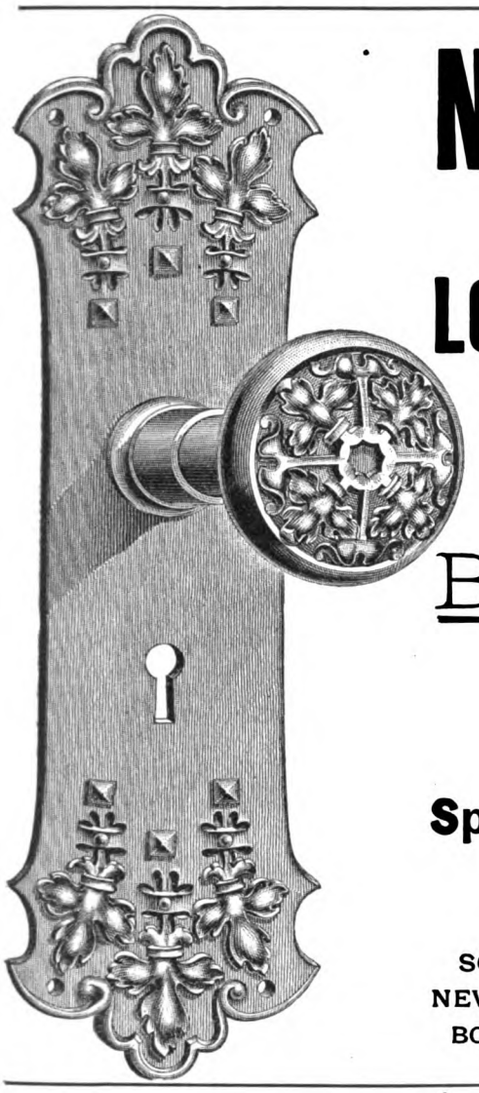
MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREFT, PHILADELPHIA, PA.

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NORWALK LOCK CO.,

Manufacturers of

LOCKS AND BUILDERS HARDWARE.

Art Metal Work

for all requirements of

BUILDING DECORATION.

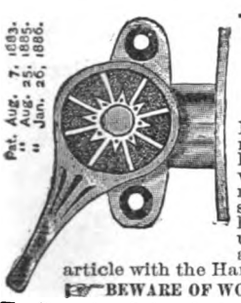
Designs and Estimates Furnished

—AND—

Special Work Solicited from Architects.

SOUTH NORWALK, CONN.
NEW YORK, 82 Chambers Street.
BOSTON, 200 Franklin Street.

BALTIMORE, 25 Hanover Street
HENRY KEIDEL & CO.
CHICAGO, 544 Unity Building.
FOSTER & DAVISON.



THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a rattle ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.



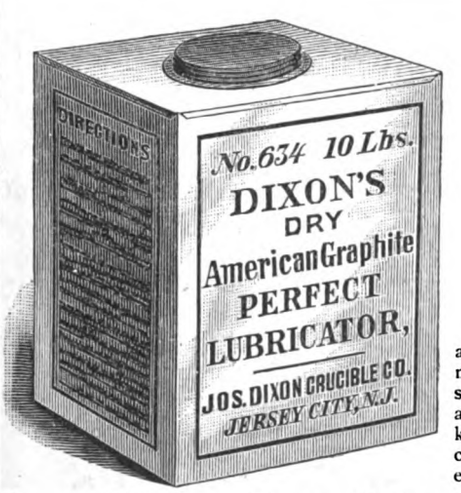
Eight Tumblers. • *Key Turning Both Ways.*

Sizes, ¼ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

AMES SWORD CO., Chicopee, Mass.
Send for Catalogue.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!



Profitable to the Dealer, Indispensable to the Machinist and Engineer.

It is an absolutely pure, foliated, water-dressed and air-floated American graphite, from our own mines at Ticonderoga, N. Y. It has unrivaled smoothness and endurance. It is entirely inert, and not affected by heat, cold, steam, acid, or any known chemical. It largely increases the lubricating value of oils and greases. It may be mixed in water, oil or grease, or used dry.

Jos. Dixon Crucible Co., Jersey City, N. J.

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E. W. BLISS CO.,

18 ADAMS STREET,
BROOKLYN, N. Y.
100-104 W. Washington Street, CHICAGO, ILL.

PRESSES, PUNCHES, SHEARS, DROP HAMMERS, DIES and SPECIAL MACHINERY.

WE CARRY A LARGE LINE OF PRESSES, &c.

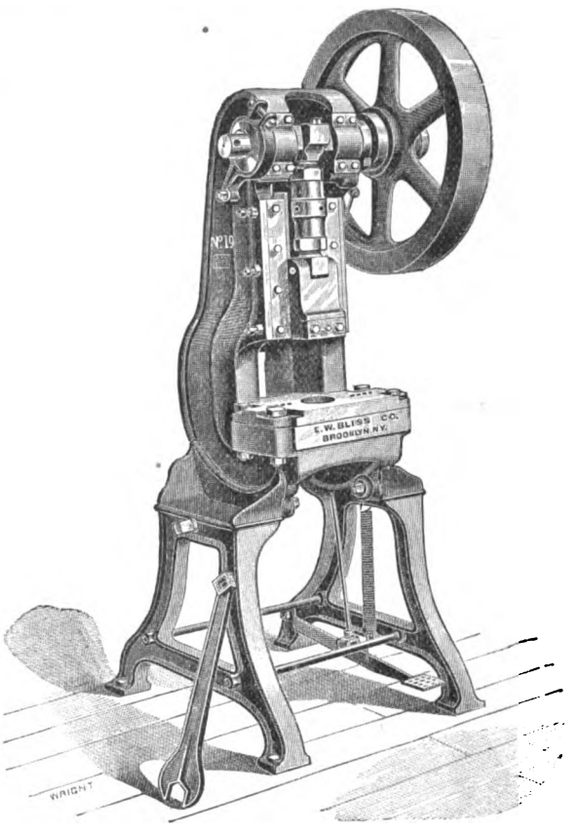
IN STOCK

—AND—

HAVE REDUCED PRICES

—ON—

MANY STANDARD MACHINES.



THE STILES & PARKER PRESS CO.

Cream City Flour Bins and Sifters.

The Only Perfect Receptacle, Sifter, Mixer, Aerator, Preserver of Flour In The World.



The Only Perfect Receptacle, Sifter, Mixer, Aerator, Preserver of Flour In The World.

ALL SALIENT FEATURES PATENTED.

The CREAM CITY FLOUR BINS and SIFTERS are made of IX TIN, nicely japanned and ornamented, and are provided with our

Detachable Shield

which prevents the flour from clogging the reels, and permits easy and smooth operation. Send for circulars, booklets, testimonials and prices to the manufacturers,

The Geuder & Paeschke Mfg. Co.,

St. Paul Ave. and 15th St., MILWAUKEE, WIS.

DO YOU HANDLE

ELECTRICAL SUPPLIES?

Wide awake merchants are reaping big profits from this line.

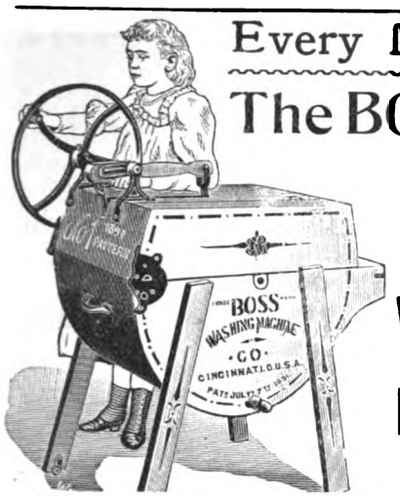
Note our Trade Price List.

Carbon Batteries, each	$ .35
Le Clanche Batteries, each	.35
Dry Batteries, each	.35
Wood Box Bells, 3 in., each	.45
Wood Box Bells, 4 in., each	.65
Buzzers, each	.55
Battery Zincs, per 100	3.00
Sal-Ammoniac, per lb	.09
Wood Push Buttons, each	.07
Bronze Push Buttons, round, each	.15
Bronze Push Buttons, 2x4 in. (square)	.35
Door Alarms, each	.12
Window Alarms, each	.12
Switches—Point, each	.12
Floor Pushes, each	.30
Electric Matting, per foot	.18
Annunciator Wire, No. 18, per lb	.22
Automatic Burners, each	3.00
Pendant Burners, each	.60
Electric Clock Outfits, each	2.75

G. A. SUPPLEE & CO.,

265, 267 N. 9th St., Philadelphia, Pa.

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Every Machine Guaranteed to Give Satisfaction.

The BOSS and CHAMPION

WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.



McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5½ Inches Diameter.

LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory,
12 "	14.00	
14 "	15.00	
16 "	16.00	
18 "	17.00	

PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.

If you wish a first-class Mower in all respects, one that is fully warranted,

—BUY McGUIRE'S DIAMOND.—

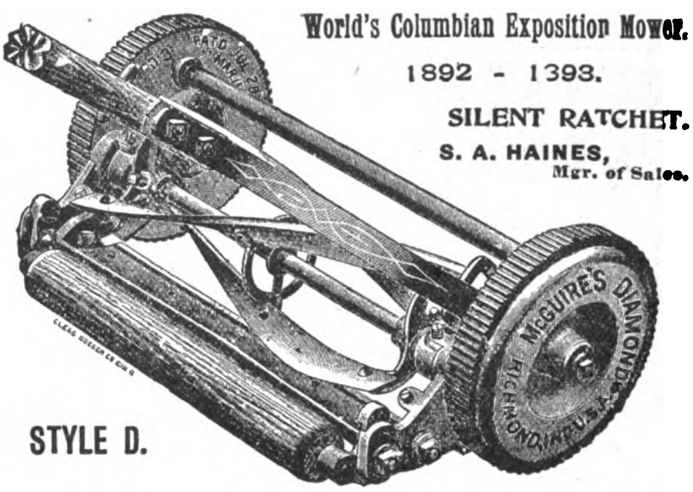
—OFFICIAL—

World's Columbian Exposition Mower.

1892 - 1393.

SILENT RATCHET.

S. A. HAINES, Mgr. of Sales.

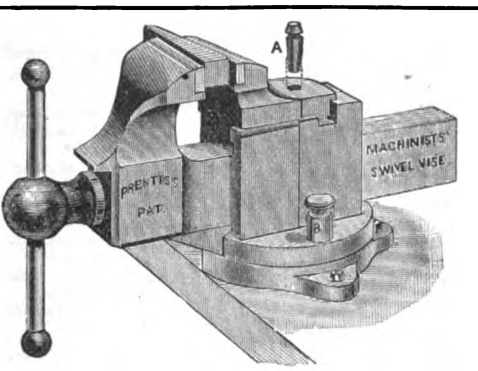


STYLE D.

A

Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Schoverling, Daly & Gales,

302 Broadway, New York.

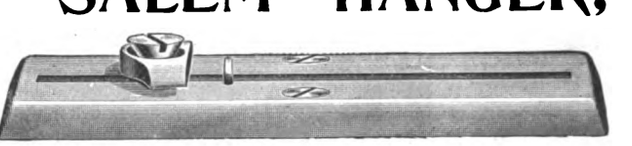
GUN DEALERS.

(Every Variety of Sporting Goods.)

We desire to send our Fall Catalogue to all legitimate dealers carrying sporting goods in stock.

This is the "SALEM" HANGER,

A BRAND NEW ARTICLE OF "BUILDERS' HARDWARE,"



AND WE WANT THE HARDWARE TRADE TO WRITE US FOR SAMPLE AND PRICES.

Write us for Sample. The W. A. South Co., Salem, Mass.

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Surpless, Dunn & Alder,

INCORPORATED.

Representing Leading American Hardware Manufacturers,

Now located at **No. 15 Murray Street, New York.** Large Sample Room

In Stock:

Full line Ash and Hickory Handles, Hussey Binns Co.'s Shovels, Spades and Scoops, Tackle Blocks, Forges and Blowers, Augers and Auger Bits, Hollow Augers, Tap Borers, Braces, Boring Machines, Engineers and Agricultural Wrenches, Hayden Pipe Wrenches, Slaters Tools, Rod Cutters, Nail Pullers, Planes, Rules, Plumbs and Levels, Hand Screws, Marking Gauges, Chisel, File, Plane and Saw Handles, Button Pliers, Keystone Iron, Brass and Bronze Padlocks, Lawn Mowers. Lawn Rakes, Stone Forks.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets



Manee's Bench arking Metal
Metallic Pail
Milk Can Handle
Milk Can Trimming
Roofing, ½ and 1 inch
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barb
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Board



Red Cross Rubber Cement.



The best cement in the world for repairing Pneumatic Tires. For sale by all first-class dealers throughout the world. It has no equal.

These tubes are put up in neat and attractive cases containing one dozen tubes each.

None genuine unless it contains our Trade Mark Red Cross.

Price per Tube 25 cents.

Send for Catalogue and electros of RED CROS Specialties.

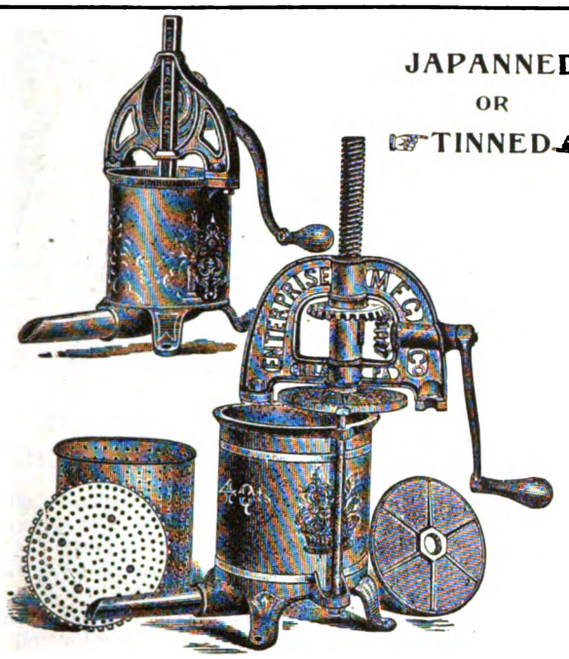
—MANUFACTURED BY—

Arlington U. Betts & Co.,

TOLEDO, O.

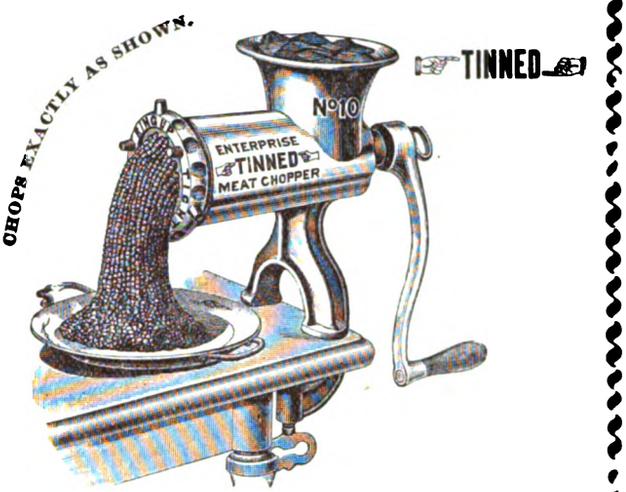
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FOR SALE BY THE
LEADING HARDWARE JOBBERS
OF THE WORLD.
SEND FOR CATALOGUE. FREE.



Sausage Stuffer & Lard Press.
8 Styles, 3 Sizes, 2, 4 & 8 Qts.

We make the "ENTERPRISE" MEAT CHOPPERS for Hand and Power in 16 Sizes Ranging in Price from $2.00 to $275.00.



Family Size, No. 10, - $3.00.

THE ENTERPRISE M'F'G CO. of PA.,
THIRD & DAUPHIN STREETS,
PHILADELPHIA, PA.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & a great variety of Housekeeping Articles.



Cuspidore Manufacturing Co.,
SOLE OWNERS OF
"Walton's" Patent Adjustable Bowl Cuspidores.

The Only Business House in the United States Devoted Exclusively to the Manufacture of Cuspidores.

Made in Cast Brass, Cast Gray and Malleable Iron Japanned in all Colors and Fancy Striped Spun Brass and Nickel Plated, or in Silver to order.

The Best and Easiest Cleaned ever made on the market, for Hotels, Bars, Public Buildings, Banks, Offices and Private use.

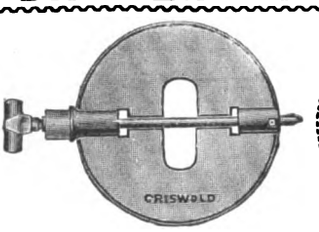
A TRIAL WILL CONVINCE YOU.

CUSPIDORE MFG. CO.,
Office and Factory, 30 Ward St., Near Market St. Depot, Penn. R. R., NEWARK, N. J.

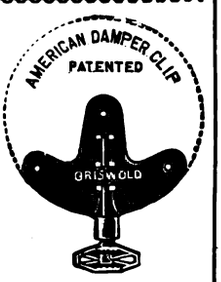
AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.





Wood or Nickel Handle.
Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE.
Send for Samples.

Griswold Mfg. Co.,
Erie, Pa.

The Riding Horse Tricycle

Greatest novelty of the age.



THE MOST COMPLETE RIDING NOVELTY IN THE WORLD.

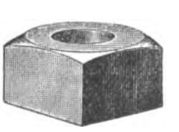
-:-A BIG SELLER DURING THE HOLIDAY SEASON.-:-

The harvest time is now. Write at once.

QUADRUPED NOVELTY CO.,
Exclusive Agency Given. CANTON, OHIO.



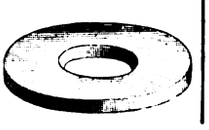
WROUGHT WASHERS.



HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,
Milton, Pa.



"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO,
SALEM, OHIO.

PERSISTENT

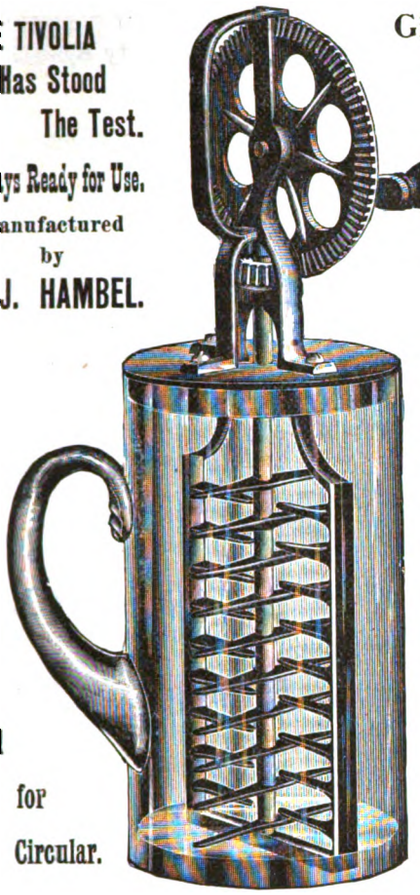
Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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IMPROVED BEATER.

Thousands Sold by Hardware Dealers.

THE TIVOLIA
Has Stood
The Test.
Always Ready for Use.
Manufactured
by
A. J. HAMBEL.



Awarded Three Medals at the World's Fair.

Gives satisfaction and largest profits to dealers.

The TIVOLIA detached can be used for beating eggs, mixing bread, mashing potatoes, and inside the jar for whipping cream, mixing fruit juices, freezing ice cream and many other things for which other beaters are too light.

Territory for sale.

Send for Circular.

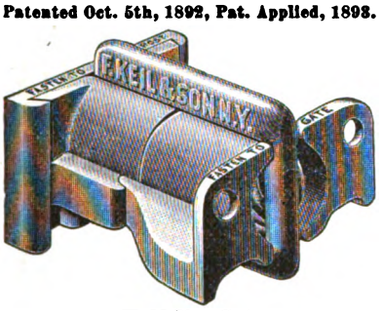
A. J. HAMBEL, 331 Forty-third St., Chicago.

THE SUPERIOR SPRING HINGE FOR HOUSE GATES.

—Surpasses all known gate hinges ever placed on the market.—

Patented Oct. 5th, 1892, Pat. Applied, 1893.

Tested Compound Springs, Rustless Finish.



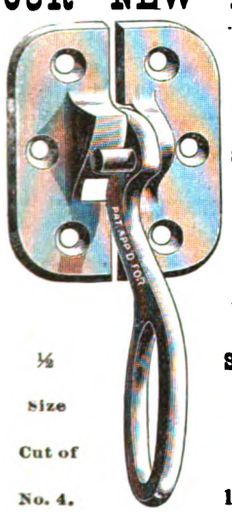
WEATHER PROOF. Use 3 hinges on heavy or wide gates.

Half Size Cut.

A True gate hinge; swings both ways, does not raise the gate as ordinary hinges do, but opens level. Is self-shutting and always stops at the centre. Has no parts to get loose or out of place, and is easily applied. When adjusting tire bolts or wood screws may be used for both post and gate or either, thus covering all requirements. Any catch may be used with these hinges; none, however, are necessary

OUR NEW AUTOMATIC FASTENER.

Patent Applied for.



½ Size Cut of No. 4.

Locks as easy as an ordinary lock, wedges the door airtight and opens it without effort.

Sizes.	Per Doz.	Pol. Brass.	Nickel Plated.
1	"	$24.00	$25.20
2	"	18.00	19.00
3	"	10.00	10.50
*4	"	7.10	7.80
5	"	5.50	5.80
6	"	4.00	4.25

Best size indicated by a star. Discount 40%.

—Send your quantity orders for prices.—

Made for raised doors on demand.

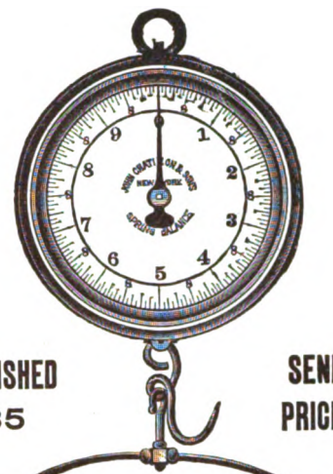
State hand wanted. Cut shows "Right Hand."

Keil and Condit Fasteners at Lowest Prices.

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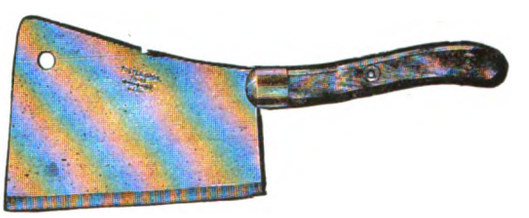
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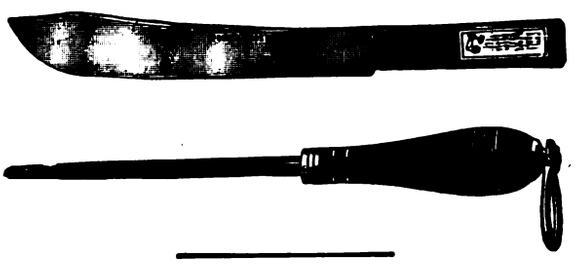
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There are imitations and counterfeits with cast iron handles—Cheap but not good.

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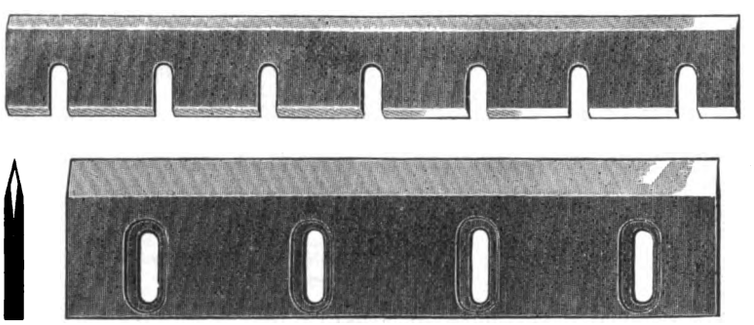
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Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.



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Every Pair Warranted.
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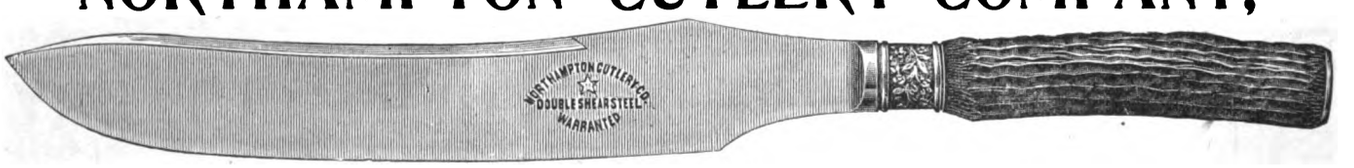


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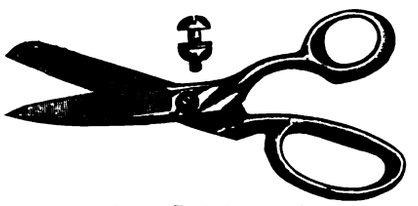


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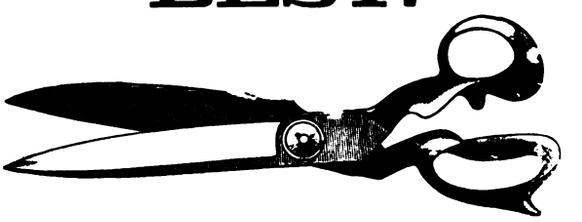


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They have the finest finish and a reputation that extends all over the world, and hence
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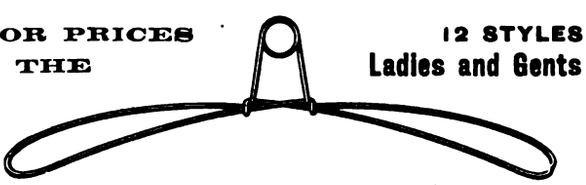


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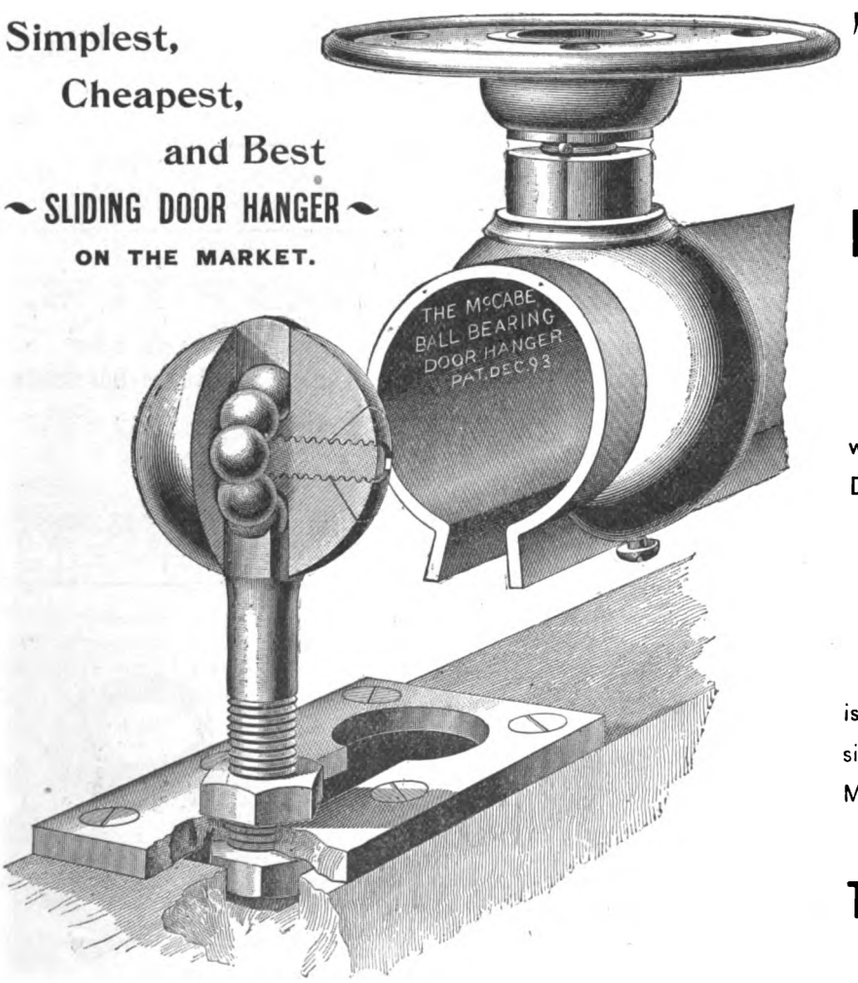


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The McCabe Ball Bearing Tubular Door Hanger

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It is also the only Hanger having an ADJUSTABLE TRACK, which can be regulated without removing the Door or Casing.

The Hanger is Entirely of Steel.

Send for our Catalogue and see that it is by far the best Hanger for inside or outside use. For moving Parlor, Barn, Car, Fire, Mill, or Elevator Doors is unsurpassed.

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Best steel—tempered by new process. Jaws drop forged and all parts properly adjusted. No Springs. Send for prices.

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3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

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Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

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OUR PRICE NOW IS

6 in. $2.25
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Delivered if not more than 300 miles from Buffalo.

WELL MADE GOODS.

James Mann & Sons, Buffalo, N. Y.



Woodman's Patent Ticket Punches & Speed Indicators,

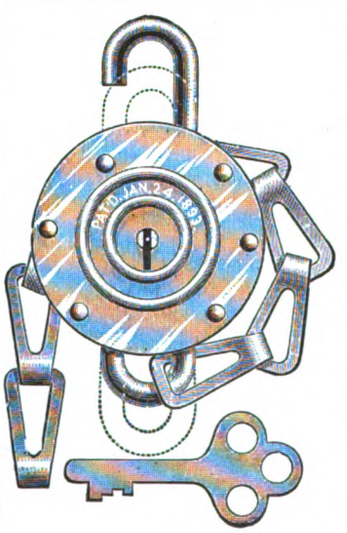
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—Send for description, price lists, etc.—





NEW BICYCLE LOCK.

Manufactured by

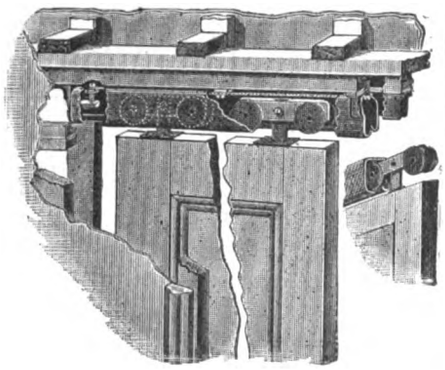
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Weighs less than two ounces; small enough to be carried in the vest pocket; is strong and made of best material. The shells are made of corrugated brass, shackles of steel rods, and is supplied with fifteen inches of STRONG STEEL CHAIN, all NICELY POLISHED and NICKEL-PLATED. It has four tumblers, making it PRACTICALLY UNPICKABLE; is self-locking, and the rider needs his key only to unlock it.

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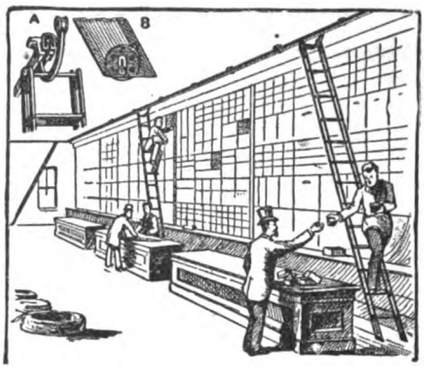
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CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Produ t it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Addres s

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Also a full line of Shoe Finder's Tacks and Nails.

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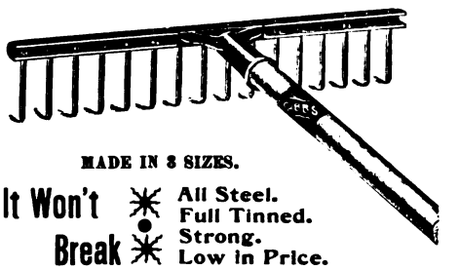
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"IDEAL" GARDEN RAKE.



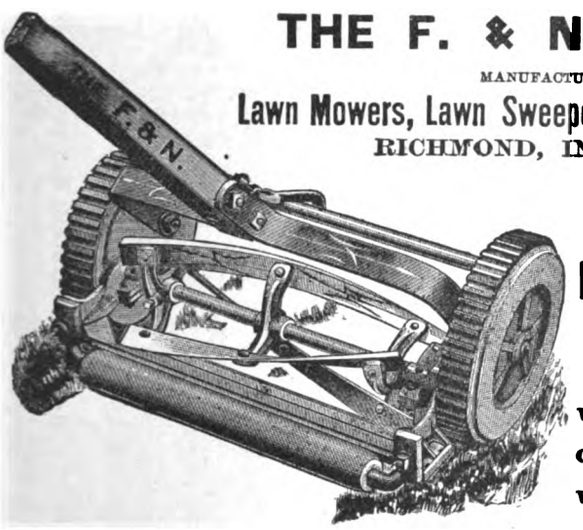
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It Won't ✳ All Steel.
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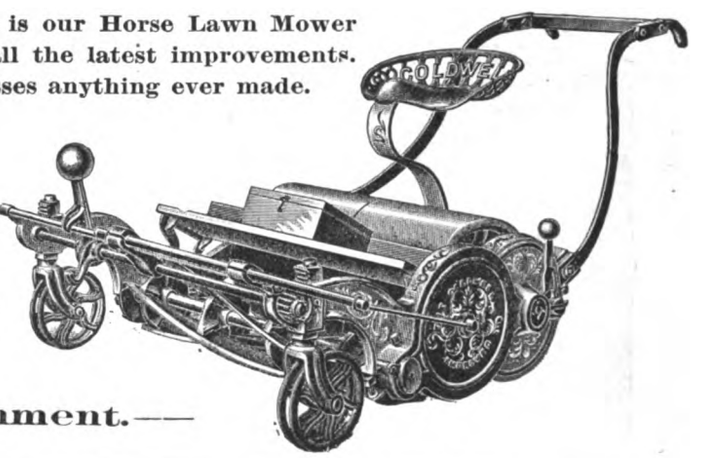
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This is our Mower that was awarded the HIGHEST PREMIUM and attracted so much attention at Chicago for its lightness of draft, durability and quality of work.



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This is our Horse Lawn Mower with all the latest improvements. Surpasses anything ever made.



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Made of Cold Rolled Steel and Wrought Bronze with hardened Steel Bushings. All sizes and finishes.

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No Disagreeable Odor. No Ashes. Light and Heat in Abundance



No. 327. No. 3 Lift Burner. Height, 32½ inches. Spread of Base, 12½ inches. Nickel Finish.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps." THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.



No. 328. No. 3 Lift Burner. Height, 32 inches. Spread of Feet, 11¾ inches. Russia Iron with Nickel Lamp and Trimmings.

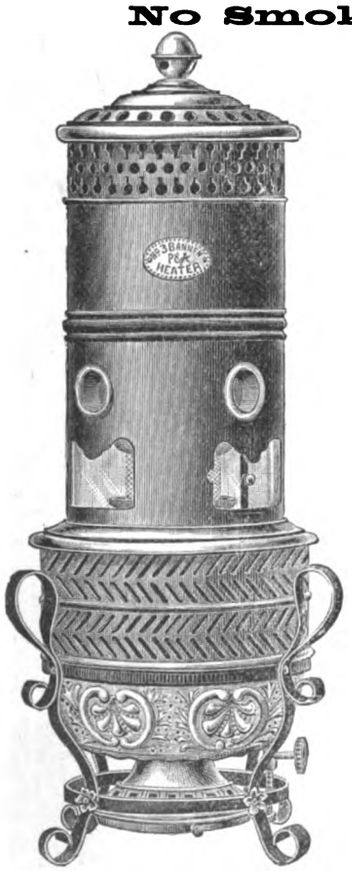
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BANNER OIL LAMP STOVE. NO CHIMNEY NEEDED.

No Smoke. Patent Applied for. No Odor.



No. 971.—Stove Complete. Height, 26 in.

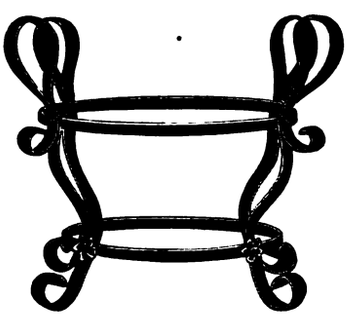


Fig. 1.—Shows Wrought Iron Stand in which Fount rests.



Fig. 2—Showing Fount with Ratchet Wick Movement.

Economy and Convenience in Heating.

POINTS.

The Oil Fount is made of brass, highly nickeled and no danger of leaking; holds one gallon of oil.

The Fount Frame is artistically made of wrought iron, making a solid base for the stove.

The Burner is the best made, and only one with inside feeder wick, allowing all the oil to be consumed.

The Indicator shows at all times how much oil there is in fount.

The Flame is regulated with the screw wick movement, which allows the wick to be raised or lowered with nicety and exactness.

The Drum has sliding door for lighting. The round openings allow the cold air to be drawn into the hot air chamber, which becomes heated and is thrown off with the radiating force, thus making a triple draft.



Fig. 3.—Showing body of stove removed from Fount.

Get one for your Bed, Bath or Smoking Room, Library, Nursery, Office or Conservatory.

—MANUFACTURED BY—

THE PLUME & ATWOOD MFG. CO.,

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They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

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Ajax.....40%
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B.E., 11 up..65c..B.E., 9&10...85c
B.E., 8.....95c..B.E., 7.....$1.10
P.E., 11 up..1.15..P.E., 9&10...1.50
P.E., 8....1.70..P.E., 7.....1.80
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-℔ bags ℔ bag.....$1.15
Drop Shot, sizes smaller than B, 5-℔ bags, ℔ bag.....$ .35
Drop Shot, B and larger sizes, 25-℔ bags, ℔ bag.....$1.40
Drop Shot, B and larger sizes, 5-℔ bags, ℔ bag.....$ .35
Buck and Chilled Shot, 25-℔ bags, ℔ bag.....$1.40
Buck and Chilled Shot, 5 ℔ bags, ℔ bag.....$ .35
Dust Shot, 25-℔ bags, ℔ bag....$1.75
Dust Shot, 5-℔ bags, ℔ bag....$ .45

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 ℔ $3.25
12½ ℔ 1.90
6¼ ℔ 1.10
Rifle special, kegs.....25 ℔ 4.25
12½ ℔ 2.40
6¼ ℔ 1.35
Creedmoor, kegs.....6¼ ℔ 1.10
Duc..g, kegs.....6¼ ℔ 3.00
[For l..℔ lots 10% discount.
Blasting and Mining, A..25 ℔ 2.00
Blasting and Mining, B..1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ℔ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ℔ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ℔ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ℔ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ℔ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ℔ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ℔ each.....13

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ℔.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ℔.....1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ℔.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ℔.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ℔.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ℔.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 ℔.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ℔.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ℔.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ℔.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ℔.....1.35
Mealed Powder, in Kegs, 25 ℔.....4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ℔.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ℔.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ℔.....1 50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ℔ best black.....$ .85
Canister, equal in bulk to 2 ℔, best black.....1.70
Drum, equal in bulk to 10 ℔, best black.....8.25
Drum, equal in bulk to 50 ℔, best black.....41.00
Drum, equal in bulk to 100 ℔, best black.....82.00
Discounts on application.

Anvils—

Eagle Anvils, ℔ ℔ 10c.....15%
Peter Wright's.....11½c
Armitage's Mouse Hole.....10@10½c
Trenton.....10@10½c
American "Horse-Shoe".....11½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..30%
Cheney Anvil and Vise.....25%
Others.....50%

Augers and Bits—

Auger Bit Association....70&10&10%
Second Quality Goods.....60&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40&10%
No. 10, extension lip pattern car bit.....40&10%
Double Spur pattern car, No. 30.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....
French, Swift & Co.....
Douglass'.....
} 35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....35&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ℔ doz. $60.....40%
Swan's.....40%
Steer's No 1, $26; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....20&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Shepardson Diamond ℔ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ℔ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 20&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg ℔ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ℔ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ℔ doz., $1.50..25&20%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ℔ doz. $7.50; No. 20, ℔ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $13; 4, $9.....25@35&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 43, $10.50; 48, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....℔ doz. 9.00
Yankee.....℔ doz. 10.00
Wide Bit.....℔ doz. 10.00
Rockaway.....℔ doz. 10 00
Dock.....℔ doz. 15.00
Firemen's.....℔ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....℔ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ℔ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ℔ doz.....$18.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 24 ℔.....℔ doz. 80c net.
Circular Spring Balances....50&10%
No. 2000 20 30
Chatillon's ℔ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise.....20%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%

DOOR—
Gong, Abbe's.....4 ½
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&5%
Crank, Taylor's.....35&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..℔ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....℔ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ℔ doz.....25%
Millers Falls ℔ doz. $4.50.....25%

Bit Holders—

Extension:
Millers Falls Barber's, ℔ doz. $15 50%
Ives' ℔ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic.....℔ doz. $3....33⅓%
Excelsior..℔ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ℔ set $1.00.....20%
Austin & Eddy ℔ gro.....$9.00
Forhans Improved Star Tenon ℔ gro. $1.00.....25%
Mackerell's, ℔ doz. $2.00.....60%
Merriman's Brass Lever ℔ gr. $15.00
Merriman's Iron Lever ℔ gr...$9.00
Security Gravity ℔ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ℔ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list. 66⅔&5
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....60&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...30%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....30%
Eagle Phila., list Oct. 16, '84....30%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....30%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....30%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—

"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50.... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%

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Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....70@70&5%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.).....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—

Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—

Standard list.....25&10%

Bull Rings—

Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—

Bradley's.....25@30%
L. & I. J. White.....20&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—

See Knives.

Butter and Cheese Tryers—

Ordinary.....25&10%

Butt Gauges—

Stanley's.....30&10&10%

Butts—

BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&5%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....70%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....66⅔%

Calf Weaners—

Hill's No. 1, $2.00; No. 2, $2.50

Calipers—

See Compasses.

Can Openers—

Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....70%

Caps—

See Ammunition.

Cards—

Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—

Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%

Cartridges—

See Ammunition.

Casters—

Bed.....
Plate.....
Shallow Socket.....
} Brass...30%
} Others..55%
Deep Socket.....60%
Martin's Patent(Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—

Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—

Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—

Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—

See Lines.

Chisels—

SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—

Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks...45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—

R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—

Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—

Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse). 3.00
} 25%

Clips—

Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.65&5
Superior Axle Clips.....66⅔&5&5@70%

Cockeyes—

List.....50%

Coffee Mills—

Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—

Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%

Coopers' Tools—

Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—

Humason & Beckley Mfg Co. 40@40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—

Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—

Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—

Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—

Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—

Spring.....40%
Rubber.....25%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—

See Meat Cutters.

Dampers—

Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40& 10%
Nickeled Shank 4 4½ 5
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—

See Post Hole, etc.

Dividers—

See Compasses.

Dog Collars—

Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50& 10%

Door Checks—

Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—

Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list.....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—

Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886. ....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—

Sargent's List.....60%

Drawing Knives—

Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel

Challenge.....20%

Drills and Drill Stocks—

Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....55%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Action.25 @30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—

Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50@11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers

Morgan Steam, No. 3. No. 5.
₩ doz. $4.20 $6.00.....40%

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Emery—

	No. 1 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ℔ ₺..4½c	5c	2½c
½ kegs, ℔ ₺.4½c	5½c	2½c
¼ kegs, ℔ ₺. 5c	5½c	3c
10 ₺ cans, 10 in case.... 6c	½c	5c
10 ₺ cans, less than 10.. 10c	10c	7½c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....65%

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....80%
Brass Thread.....65%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. Western Pattern, Cork Lined.....50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....60%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00.....20%
Lane's ℔ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—

DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'ad C't & 50 10%

IMPORTED—
Moss & Gamble, List April 1, 1888.15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 20%
Grobet.....35%

Filters—

Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—

Knox.....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....25&2½%
Crown Fluters.....30%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ℔ doz.....$21.00
Keyless M. & I. Co. ℔ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co.....25%
Henis.....℔ doz $3.50
Shepard's Queen City.....40%

Fry Pans—

Standard List:

No.	0	1	2	3	4
℔ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
℔ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—

Bolgiano's New Hot Air Perfection Gas Iron.....℔ doz. $18.00

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....35&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ℔ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ℔ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....℔ doz. $6.50

Halters—

Covert Saddlery Works, List 1893.
Rope, ¼ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
} 40&10@50&10%
Fayette R. Plumb.....
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ℔ doz.....
Nos. 1, $3; 2, $6.....33⅓%
Steel Face Shoe.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 ₺...℔ ₺ 45c
3 to 5 ₺.....℔ ₺ 36c
Over 5 ₺.....℔ ₺ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c ℔ ₺

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@45%
Brad Awl.....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as.. ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 3.00
} 30@40%
Worcester Leather Cap'd Chisel.25%
File, assorted.....℔ gr 2.75
Auger, assorted....℔ gr 5.00
Auger, large.....℔ gr 7.00
} 30@30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's.....℔ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ℔ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 65½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—

Lightning, Mfrs' price ℔ doz $18.00, 45%
Gem.....℔ doz $10
Wadsworth's.....40%
Carter's Needle..℔ doz $11.50@$12.00
Heath's.....℔ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....℔ doz $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. 6 to 12 in., ℔ ₺ 3 9-10c; 14 to 20 in., ℔ ₺ 3 4-10c; 22 to 36 in., ℔ ₺ 2 9-10c
Heavy Welded Hood... 6 to 12 in., ℔ ₺ 3 9-10c; 14 to 20 in., ℔ ₺ 3 4-10c; 22 to 36 in., ℔ ₺ 2 9-10c
Screw Hook and Eye. ½ in., ℔ doz $1.50; ⅝ in., ℔ doz $2.45; ¾ in., ℔ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 ₺ $5.75, over 14 in., ℔ 100 ₺.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Hardsley's Patent Checking.....15%
Kell's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
T. S.....35&10%
Empire and Crown.....30%
Stover Ideal ℔ gro.....$13.00
New Idea ℔ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....30%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@30%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....60%
Rubber.....66⅔%

GATE HINGES—
Western.....℔ doz $4.40, 60%
N. E.....℔ doz $7.00, 55%
N. E. Reversible.℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....℔ doz $5.00, 55&10%
Automatic.....℔ doz $12.50, 50%
Kell's Superior.....30%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....80%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—
Garden, Mortar, &c.....80%
Planter's Cotton, &c.....80%
Warren Hoe.....65%
Magic.....℔ doz $4.00
Dunlap's:
Boys' hoes.....℔ doz $3.00, 80%
Ladies' hoes.....℔ doz $3.00, 80%
Scuffle.....80%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ℔ doz $1.35
Hill's Tongs.....℔ doz $3.00
Hill's Rings...℔ doz bxs $2.15@$1.00
Perfect Rings..℔ doz bxs $1.80@$1.70
Perfect Ringers...℔ doz $2.15@$2.35
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers.....℔ doz $2.00
Champion Rings, Double.℔ doz $2.25
Brown's Ringers.....℔ doz $3.00
Brown's Rings,....℔ doz $1.25@$1.30

Hollow Ware—

IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware 33⅓&10%
Rustless Hollow-Ware.... 70@70&5%
Triumph Broilers.....50%

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SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton
Meriden Britannia Co.
Simpson, Hall, Miller & Co.
Rogers & Brother } 40&5%
Hartford Silver-Plate Co.
William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading
Clothes Line, Sargent's list } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat....70%
Wardrobe....55%
Screw Hat....70%
Chandelier....70%
Lamp....55%
Screw....60&10&10%
Picture....75%
Cup....75%
Safety Gate....60%
WROUGHT IRON—
Cotton....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works....10%
Tassel and Picture (T. & S. Mfg. Co.)....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00....40%
WIRE—
Atlas Coat and Hat....60%
Wire Coat and Hat, Gem, list April, 1886....50%
Wire Coat and Hat, "Cres't"..60&10%
Wire Coat and Hat, Miles', list April, 1886....50%
Indestructible Coat and Hat....45%
Wire Coat and Hat, Standard....45%
Wire Drive....60%
Belt....80&10%
Handy Coat and Hat....60&10%
Steady Ceiling....50%
MISCELLANEOUS—
Dunlap's Merchandise....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush....60&10%
Whiffletree—Patent....55%
Hooks and Eyes—Mal. Iron..70@70&10%
Hooks and Eyes—Brass....70%
Moores' Clothes Line....70%
Moores' Harness....70%
Moores' Hotel & School House...70%

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	..15%
American	9¾	9¾	9¾	9¾	9¾	..net
Ausable	23c	23c	23c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c	.30&10%
Essex	23c	23c	23c	24c	23c	40&10&5&2%&5%
Lyra	19c	17c	16c	15c	14c	.40&10%
Snowden	19c	17c	16c	15c	14c	.40&10%
Vulcan	23c	21c	20c	19c	18c	..25%
Northw't'n	25c	23c	23c	21c	20c	25@25&5%
A. C	25c	23c	23c	21c	21c	25&10@33⅓&5%
C. B. K	25c	23c	23c	21c	21c	33⅓@33⅓&10%
Maud S	25c	23c	23c	21c	21c	40&10&5%
Champlain	26c	26c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c	..40&5%
Champion	25c	23c	23c	21c	20c	10&10&10%
Capewell	19c	18c	17c	16c	15c	..10&5%
Anchor	23c	21c	20c	19c	18c	..35%
Western	23c	21c	20c	19c	18c	..50%
Empire Bronzed						.18@14c ₩ ℔

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial"....30&5%
"Boston"....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para....40&10%
Reliable....50&10%
Staple....60&10%
Competition....75@75&10%
Standard....70%
Extra....55@60%

Ice Chippers, &c.—
Dunlap's No. 1....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown....$6.00 per doz 25%
Star....$3.00 per doz 25%
Gem Ice Shave....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools....50&10%
Sargent's Ice Awls....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen	$3.60	$5.40	$9.00	$10.80	$12.60
Each	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20
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Inches.	12x9	13x9½	14x10	15x10½
Dozen	$14.40	$18.00	$20.64	$23.40
Each	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen	$27.00	$32.40	$41.58	$49.50
Each	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen	$65.34	$79.20	$108.90	$136.62
Each	5.45	6.60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen	$5.40	$9.00	$10.80	$12.60
Each	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen	$14.40	$18.00	$20.64	
Each	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen	$23.40	$27.00	$32.40	
Each	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned....50&10%

Knives—
Goodell's Butcher....25%
Wilson's Butcher Knives....25%
Ames' Butcher Knives....20%
Foster Bros.' Butcher, &c....40%
Nichols' Butcher Knives....40&10%
Cigar Knives....₩ doz.85 @ $1.15
Ames' Shoe Knives....20%
Goodell's Shoe Knives....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives....50%
Pocket Knives....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier....25%
Seconds....40%
F. E. Woodworth & Co....50@66⅔%
Ames' Bread Knives, ₩ doz. $1.50, 20%
Moran's Shoe and Bread....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal....50%

Knobs—
Door Mineral....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardaley's Wood Door, Shutter and Base....15%
Keil's Bronze....net
Furniture Plain....75c. gro. inch.10%
Furniture, Wood Screws....25&10%
Base, Rubber Tip....70&10&5%
Picture, Judd's....60&10&10@70%
Picture, Sargent's....70&10%
Picture, Hemacite....35&5%
Shutter, Porcelain....70&10%
Shutter, Bronzed....60%
Carriage, Jap....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's....55&10%
Monroe's Pat....₩ doz $4.00, 40%
P. S. & W....35&10@40%
Warner's....30%

Lanterns—
TUBULAR—
Reg. No. 0, with Guard...₩ doz. $3.50
O. K., No. 0, with Guard. ₩ doz. $3.75
Side Lift (New), No. 0, with Guard ₩ doz.$4.00
Square Lift, No. 0, with Guard ₩ doz. $4.25
Anti-Friction (New), No. 0, with Guard....₩ doz. $4.50
Best Square Lift, No 0, with Guard ₩ doz. $5.00
Best Round Lift, No. 0, with Guard ₩ doz. $5.50
Copper Plated Square Lift, No. 0, with Guard....₩ doz. $5.50
Iron Clad Square Lift, No. 0, with Guard....₩ doz. $6.00
Reflector Lift Wire, with Guard ₩ doz. $11.00
Side or Dash Lamp....₩ doz. $6.50
MISCELLANEOUS—
Police, Medium....₩ doz. $3.60
Large....₩ doz. $3.90
CARRIAGE LAMPS—
C. Cowles & Co. list....25&5%

Lawn Mowers—
New Model....60&10%
Enterprise....40%
Standard....60&5%
Imperial....60&5%
New York....60&5%
Champion....75&10%
Sunbeam....60&10%
Pennsylvania....60%
Continental....60%
Great American....70%
Rapid Transit and New Departure....net prices on application.

Lawn Sprinklers—
Enterprise....25%
Gibbs' Arc....net ₩ doz. $12.00
Gibbs' Hustler....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star....₩ doz. $2.25
The Boss....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.85 3, $1.65; Queen $2.50 net
Little Giant....50@50&10%
Hotchkiss....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40....30%
Acme....₩ doz $15.00

Letter Box Plates—
Sargent's....60&10&10%
Name Plate....60&10%
Name Door Plate....50%
Number Door Plate....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25....25%
Cotton Chalk....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran....28c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro....25%
Mason's Linen....33⅓%
Mason's Colored Cotton....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889....55&5%
Mallory, Wheeler & Co., list July, '88....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co....net prices
Norwich Lock Mfg. Co....55&5%
Craig Combination....net prices.
Brittan, Granam & Mathes, list, Jan., 1890....60%
Champion Night Latches....40%
Plate....33⅓&2%
Barnes Mfg Co....40%
Yale....net prices
Deits Flat Key....30%
Romer's Night Latches....15%
Brooklyn Latches....30%
Shepardson or U. S....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co....33⅓&2%
Charles Parker Co....33⅓&2%
Diets, Nos. 51 to 63....40%
Diets, Nos. 86 to 96....30%
Stoddard Lock Co....30@33⅓%
Yale....net prices
Romer's....25%
Barnes Mfg. Co....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co....25&2%
Eagle Lock Co....25&2%
PADLOCKS—
List, June 10, 1891....50%
Jan., 1890....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co....25&2%
Eureka, Eagle Lock Co....40&2%
Yale Lock Co....net prices
Romer's Nos. 0 to 91....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deits....40%
Champion Padlocks....40%
Hotchkiss....30%
Star....60&10%
Horseshoe....35%
Barnes Mfg. Co....40%
Nock's....30%
Brown's Pat....30&10%
Scandinavian....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line....90&40%
Nos. 120 line....90&15%
Nos. 109 line....65%
Nos. 235, 610 and 209 lines....70%
Nos. 510 line....70&10%
All other numbers....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line....90&40%
No. 41 line....50%
No. 61 line....60%
No. 21 line....30%
No. 427 line....30%
Acme Bicycle and Satchel per doz. $9.00....33⅓%
Smith & Egge Bicycle....50%

Mallets—
Hickory....25&10%
Lignumvites....25&10%
Raw-Hide....40&10%

Mattocks—
Regular list....60&10%

Meat Cutters—
Dixon's....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American....30%

Nos.	1	2	3	4	5	5
Each	$5	$7	$10	$25	$50	$60

Perfection....40%

Nos.	1	2	3
Each	$3.00	$2.75	$4.00

Enterprise....25%

Nos.	10	12	23	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $36.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

....30@25%
Beef Shavers (Enterprise)....20%
Little Giant....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads....30&25%
Wire Nails....30&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent....40%
FURNITURE—
Plain....40%
Fire Gilt....10%
Antique Bronze....10%
China....25%

Nail Pullers—
Curtiss Hammer....₩ doz $9.00
Giant, No. 1....₩ doz $18.00, 10%
Giant, No. 2....₩ doz $15.00, 10%
Pelican....₩ doz $9.00, 25%
Lightning....₩ doz $18.00, 20%
Scranton's Improved....25%

Nail Sets—
Square....₩ gr. $4.00@$4.25
Round....₩ gr. $3.25
Buck Bros....27½%
Einwachters....60&10%
Cannon's Diam'd Point ₩ gr.$12, 20%
Humason's....50&10%
Dunlap's....20%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed....5.50c 6.10c
Cold Punched....5.10c 5.30c
Cold Pressed C. & T....4.80c
In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔, add ½c ₩ ℔, net.
Tapped....35%

Oilers—
Zinc and Tin....60&10&10%
Brass and Copper....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list....45%
"Perfect" Pocket Oilers, 25c. ₩ doz....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams....50%
Tower & Lyon Bicycle....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust....60%
"Star" Oilers....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross....$7.50
Indian Pond Red End, No. 1, ₩ gross....7.00
Indian Pond Red End, No 2, ₩ gross....5.00
Black Diamond, No. 1....12.00
" No. 2....8.00
Genuine Lamoille....11.00
Genuine Ragg, 10 inch....12.00
" ₩ " 10.00
" No. 2....5.00
Discount 33⅓ %
OIL STONES—
Pike's Washita:
Extra Green Paper Wrapper, ₩ ℔....50
No. 1....40
No. 2....30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¼ to 2x⅝ to ⅝ at back, ⅛ to 3-16 edge ₩ ℔ 80
No. 1, (same sizes as above) " .70
No. 2, " " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔....70
Discount 33⅓%.

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Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb..... .24
" 2x2x¾, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb..... 2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₩ lb..... 3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ lb..... 4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1½ to 2x1½ to ¾ back x ½ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x¾ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¾ to 2x¾ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x½ to 1 ₩ lb..... .10
Special Axe, 2½x1½x½ ₩ lb... .18
Pike's Sandstones:
Small, 3x1½x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 3 to 8½x2x1½, weight about 1½ lb, ₩ lb..... .05
Large, 8½ to 9x2½x2, weight about 2lb, ₩ lb..... .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanizing, per lb 70c..... 40%
Boston "Phoenix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N.Y. B. & P. Co., 1846-Para.... 40&10%
N.Y.B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ lb 35c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing..... 14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ dz.. $27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $3.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber..... ₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.).... 40%
C. E. Jennings & Co.....50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 20%
Miscellaneous..... 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to 2
Buck Bros..... 30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & L. J. White..... 25%
Stanley Rule & Level Co..... 50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers..... 20%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters..... 20%
Swiss Pliers..... 25%
Stubs'..... 30%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
Button Pattern, 8 in. $7.50; 10 in. $10.50.
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12..... 25%
Stratton's Nos. 2 to 8..... 50%
Cook's..... 40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels..... 20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight..... 30%
Plumb Bobs..... 40%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro..... ₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Post Hole and Tree Augers and Diggers—
Samson Post Hole Digger, ₩ doz. $36.00, 25&5%
Fletcher Post Hole Augers, ₩ doz. $28.00
Eureka Diggers.....₩ doz. $18.00
Leeds'.....₩ doz $8.00
Vaughan's Post Hole Auger, ₩ doz $12.00
Kohler's Little Giant...₩ doz $18.00
Kohler's Hercules.....₩ doz $14.00
Kohler's Invincible....₩ doz. $12.00
Kohler's New Champion.₩ doz $8.00
Kohler's Scheidler.....₩ doz $18.00
Ryan's Post Hole Diggers, ₩ doz $24
Gibbs' Post Hole Digger, ₩ doz. net ₩ doz $12.75
Gibbs' Imperial....net ₩ doz. $7.50
Gibbs' Columbia...net ₩ doz. $12.00
Gibbs' National....net ₩ doz. $12.0
Gibbs' Hustler.....net ₩ doz. $10.

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.20, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&2%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&2%

Pulleys—
Axle..... 60%
Dumb Waiter..... 60%
Ceiling..... 60&10%
Hot House..... 66⅔%
Upright..... 60&10&10%
Screw..... 60&10&10%
Clothes Line..... 55@60&10%
Awning..... 60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 60%
deal..... 60%
Moore's Sash, Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75..... 50%
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
Myers', low lists..... 50%

Punches—
Saddlers' or Drive, good, ₩ doz. 60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket 65%
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓%
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronsed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet.....$2.00 2.5: 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.25...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	..30%
Boys' rakes				₩ doz	$3.50
Ladies' rakes, ₩ doz. No. 1, $2.00; No. 3, $2.50.					25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No brand, $1.1
Hay 12 teeth $2.40; No. 2 $2.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 20%
Wostenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric.....List net
Campbell's Celebrated Warranted..... 50%

Retrigerator Hardware—
Francis Keil & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:

Manilla, 7-16 and larger.	₩ lb	7¾c	
Manilla, ⅜	₩ lb	8¼c	
Manilla, ¼ and 5-16	₩ lb	8¾c	
Sisal, 7-16 and larger	₩ lb	5¾c	1% for cash in 10 days.
Sisal, ⅜	₩ lb	6¼c	
Sisal, ¼ and 5-16	₩ lb	6¾c	
Sisal Lath Yarn, medium	₩ lb	5¼c	
Cotton Rope	₩ lb	16 to 19c	

Discount to the trade.
Manufacturers' Prices:

Ma'la, 7-16in. & larg'r	₩ lb	7 c
Manila	⅜in	₩ lb 7¾c
Manila, ¼ and 5-16 in	₩ lb	8 c
Manila Hay Rope	₩ lb	8 c
Sisal, 7-16 in. & larger	₩ lb	5 c
Sisal	⅜ in	₩ lb 6 c
Sisal, ¼ and 5-16 in	₩ lb	6¼c
Sisal, Hay Rope	₩ lb	5½c
Sisal, Med. L'the Y'rn	₩ lb	5 c

Cotton Rope .....₩ lb 11@18c net
Jute Rope.....₩ lb 5@6c net

Rules—
Boxwood..... 80%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 35&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8¼c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .60 net.
No. 65, ₩ set..... .75 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth..... 50&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 25%

Sash Cord—
Common.....₩ lb 10@11
Jute, good quality..... ₩ lb 11
White Cotton Braided, fair. ₩ lb 2 (
Common Russia Sash..... ₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 23¼c@25c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%
C Quality, White (only) 26¼c @ 28c
Sylvan Spring:
Extra Braided White..... 35c
Extra Braided Drab.....37½c

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No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets. ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50.25%
Richardson's.....25%
Tolosant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz. $15.00, 40&10%
Leopold.....℔ doz., $15.00, 5m
King's.....33⅓%
Keller's.....40&10%

Scales—
Union Platform Plain...$3.10@$3.30
Union Platform Striped.$3.30@$3.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....5%

Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c. –
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@30%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perfection Screens..50&5@50&10%
Window Screen Frames...50&10@ 50&10&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@90c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..30%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..75%
Rogers Drive Screws.....33⅓%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $3.00@3.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co.70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing.....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Scythe Snaths—
List.....50&5&2@50&10&2%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....80%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Ship Tools—
L. & I. J. White.....20&5%
Albertson Mfg.....25%
Berea.....℔ gr. 8.00
Norway Ragg:
Rough Finish.....℔ gr. 14.00
Light smooth.....℔ gr. 18.00
Heavy smooth.....℔ gr. 20.00
Discount 25%; 5-gross lots and over, 33⅓%; f. o. b. factory, 60 days; 2% cash.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bess, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ D 7½c
Perkins Improved Snow.....℔ D 4c

MULE—
Add $1 ℔ keg to above prices.

OX, WROUGHT—
Ton lots.....℔ D 9c
1000 D lots.....℔ D 9½c
500 D lots.....℔ D 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&20%
Snow, D Handle, ℔ doz., $7.25 25&20%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $3.00
Hunters.....℔ doz. $3.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps..
Neck Yokes
Neck Yoke Centres
Hanner Bolt Snaps

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Falls.....25%

Spoke Trimmers—
Bonney's.....40@40&5%
Stearns'.....30&10%
Ives', No. 1, $15.00; No. 2, $12.00, ℔ doz 55&10%
Douglass'.....℔ doz $9.00, 20%
Cincinnati.....25%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated.....} 80%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....30@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Straps—
Covert's:
Ever Ready, Blanket.....33⅓%
Hame.....33⅓%

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$3.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$2.75

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Best Steel, Tinned or Coppered, 4 oz. papers, ₱ box.....$5.15
Atlas "Home" Tacks:
No. 50, ₱ carton.....$3.00
No. 50, ₱ case.....36.00
No. 100, ₱ carton.....6.00
No. 100, ₱ case.....72.00
} 50%

CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc, Swedes Iron.....50%
Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₱ gro $4.00
Tinned or Coppered....₱ gro $4.25
Bonnie Blue Tacks, ₱ case.....$1.50
Parisian Gilt Nails, ₱ carton....50c
Bill Nye Brad, ₱ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₱ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₱ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Tobacco Cutters—
Enterprise.....20%
Wood Bottom.....₱ doz $5.00@5.25
All Iron.....₱ doz $4.25
Nashua Lock Co.'s ₱ doz $18.50@55%
Wilson's.....55%
Sargent's.....₱ doz $24, 55&10%
Acme.....₱ doz $20, 40%
Blacksmiths Tongs.....20&10%

Tongs, Blacksmiths'—
Heller's Steel.....40&10%
Stearn's.....25%
Wrought Jaw.....75&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajar.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 30@10%
S.T.....₱ doz $6.00, 20%
Mouse, Round Wire, ₱ doz $1.50, 20%
Mouse, Cage, Wire, ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50,15%
Mouse, Bonanza.....₱ gr $10.00
Mouse, Ideal.....₱ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₱ gr $9.50
Rat, Keystone.....₱ gr $10.00
Rat, Exterminator.....₱ gr $12.00
Rat, Decoy.....₱ gr $10.00, 15%
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₱ gross $18.00.....50%
Rat, ₱ gross $30.00.....50%
Household.....₱ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....₱ gr. $13.50
Electric Rod.....₱ gr. $16.50
Globe.....₱ gr. $13.50
Harper.....₱ gr. $16.50

Trowels—
Lothrop's Brick and plastering 25 @25&5%
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....30@35%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....30@35%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Wagon Jacks—
Samson.....30&10%
Covert's:
Daisy.....33⅓%
Victor.....33⅓%
Millers Falls.....25%

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $2.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ doz. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone...₱ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....75⅓%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₱
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft., $1.45
Galvanized Wire Netting.....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....80@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&2%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓& 10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	33.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	33.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No. 3, Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime, 11 inch	23.00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₱ gal. 50c
Linseed, City, Boiled.....₱ gal. 53c
Linseed, Western, Raw...₱ gal. 54c
Lard, City, Extra, Winter.₱ gal. 56c
Lard, City, Prime.....₱ gal. 54c
Lard, City, Extra No. 1...₱ gal. 50c
Lard, City, No. 1.....₱ gal. 45c

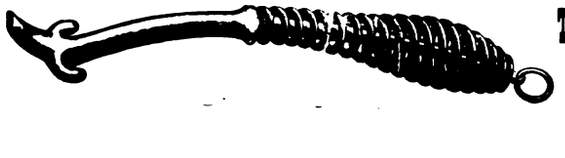
Paints and Colors—
Barytes, Foreign ₱ ton $22.00@$25 00
Barytes, American, Floated.....₱ ton $26.00@$28 00
Barytes, American, No. 1.....₱ ton $16.00@$18.00
Barytes, American, No. 2.....₱ ton $13 60@$15.00
Barytes, American, No. 3.....₱ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small pack.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5¼@6¼c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs.....5¼@6c
Zinc, American, Dry.....3½@4½

Putty—
In Barrels and half bbls. .01½@.01¾
In Tubs.....01½@.01¾
In Tin Cans.....01½@.02½
In Bladders.....02¼

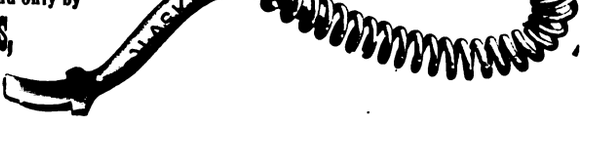
Spirits Turpentine—
In regular barrels.....₱ gal. 30½c
In machine barrels.....₱ gal. 31 c

Varnishes—
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$2.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$3.50
No. 1 Coach.....$2.35
Lt. Hd. Oil Finish.....$2.35
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$3.50
Umber in Oil.....₱ lb .20
Sienna in Oil.....₱ lb .22
Ochre in Oil.....₱ lb .13
Window Blind Green in Oil..21
Chrome Yellow in Oil...₱ lb .27
Indian Red in Oil.....₱ lb .21
Dealers' Discounts in large lots.....25%

BE CAREFUL OF INFRINGERS OF Our Patents.



ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

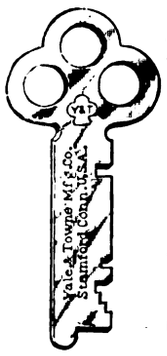


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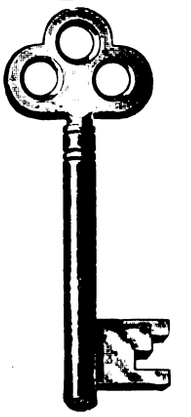
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than **1000** List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Situations Wanted.

A PLUMBER wants a situation, city or country; capable of taking charge of shop and estimating on all kinds of work; quick workmen. Medium wages; understands buying. Address John Toohey, No. 2291 Third Avenue, New York.

A YOUNG man with six years experience in builders' Hardware, machinists' tools and supplies, will be open for engagement October 15th. A-1 references as to ability and character. Address F. A. F., care HARDWARE, No. 143 Chambers Street, New York City.

TRAVELING Salesman wants A-1 Specialties or Staple Hardware lines. Cutlery, Sporting Goods or Tools. Ohio, Michigan and Indiana. Established trade. A-1 reference. M. I. Lee, Toledo, Ohio. General delivery.

AMERICAN, aged twenty-nine, disengaged October 15th, desires situation. Twelve years business experience with leading manufacturers. Understands bookkeeping, correspondence, general office work, etc. Address American, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—First-class salesmen will find it to their interest to correspond with the Sun Mfg. Co., Greenfield, Ohio, in reference to their Combined Show Case Money Drawers, and other scheme goods, to carry as a side line.

TRAVELING SALESMAN wants A1 selling specialties for Wisconsin and Minnesota. Address F. S., care HARDWARE, No. 143 Chambers Street, New York City.

A YOUNG man with eight years experience in builders' and ice box Hardware, also in bellhangers' and locksmiths' Hardware, desires a position with wholesale or retail house, and with moderate terms to prove his ability. Address L. S. S., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced salesman, machinists' tools and mill supplies ("established trade"), is open to an engagement. A1 references. Address Active, care HARDWARE, No. 143 Chambers Street, New York.

AS bookkeeper and salesman, Hardware, stoves or house-furnishing house. Reference, Palderson Bros. Co. Address, W. N. F., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED traveling salesman wants good specialties or side line on commission, for Hardware, stove, or general trade, in New York and adjoining States. Address System, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS.—If you desire to increase your sales communicate with the advertiser, who represents a Hardware Manufacturing Co., and is open to add to his line of representation. He has a large personal acquaintance with domestic and export trade. Address New York Representative, care HARDWARE, No. 143 Chambers Street, New York.

Help Wanted.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No 115 North Vine Street, Hazleton, Pa.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Wanted Chicago Agencies.

A WELL-KNOWN business man, of financial responsibility, a good salesman, will establish CHICAGO office October 1st and wishes to obtain agency of manufacturers of Hardware specialties, or any goods that can be sold to jobbers. Manufacturers of any such goods, seeking an outlet, will find this an excellent opportunity. The commercial credit and business references of the party are the very best. Address "Chicago Agencies," care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

AN experienced salesman with extensive acquaintance among the larger buyers of builders' Hardware, calling frequently on the trade in Philadelphia, Pittsburg, Baltimore and Boston, and having office in New York City as agent for a first-class manufacturer, is anxious to represent an additional company. Address W. H. E., care HARDWARE, No. 143 Chambers Street, New York.

A HARDWARE commission house of New York City, centrally located, with ample room for samples and stock, and abundance of capital to carry out any agreement or contract which they may enter into, wish to negotiate with manufacturers of staple lines of Hardware or specialties. For further particulars, address Commission, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Sales agency. Manufacturers of leading lines of Hardware or kindred goods, who are not properly or sufficiently represented to the jobbing trade, in territory between Pittsburg and Omaha, would do well to correspond as below. "Business," care HARDWARE, No. 143 Chambers Street, New York City.

BY a party who has been in that line for years and has introduced and obtained a large trade on several specialties. Special attention paid to the Eastern and Southern and Canadian market, but have connections throughout the United States and export market. Address "New York House," care HARDWARE, No 143 Chambers Street, New York.

Business Opportunities.

TO EXCHANGE a business lot with a brick building on same, located on North Main Street, a paved street with electric cars passing the door; also a finely improved farm of 160 acres in Sedgwick County, Kansas, all clear for a modern stock of *shelf* Hardware. Address McKnight & Co., Wichita, Kan.

WANTED—A first-class builder. Contractor of Rochester, N. Y., having an experience of ten years, would like to enlarge his business by taking in a partner with capital. For further particulars address P. O. Box 666, Rochester, N. Y.

For Sale.

A DESIRABLE Factory in Yonkers, N. Y., within 3½ miles of the New York City line, one hour from Battery, on line of railroad, with siding, adapted to any kind of manufacturing. Elevator, electric light plant, engine, and all other conveniences. This is a rare chance to obtain a valuable factory property, beautifully situated, in healthful locality, where property is rapidly advancing as the metropolis moves northward. The price is less than half its real value. For further particulars apply to Todd & Bible, 261 Broadway, New York City.

Law and Collections.

PLACE your Chicago Collections and *legal business* with SAYLER & FRAZER, Attorneys-at-Law, 171 La Salle Street (N. Y. Life Building), Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

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Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schoverling, Daly & Gales, New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.
Sargent, Dunn & Alder, New York.

Babbitt Metal.
Bruce & Cook, New York.

Beaters.
A. J. Hambel, Chicago.

Bellows.
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Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
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Bells, Electric.
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New York Belting & Packing Co., Ltd., New York.
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Bicycles and Bicycle Sundries.
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W. Bingham Co., Cleveland, O.
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Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
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Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass, Manufacturers.
Ansonia Brass & Copper Co., New York.
Waterbury Brass Co., New York.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
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Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Cash Registers.
G. A. Supplee & Co., Philadelphia.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Sargent, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.
G. A. Supplee & Co., Philadelphia.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co., Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
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Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Irons.
Bolgiano Mfg. Co., Baltimore, Md.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
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Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.
Sargent, Dunn & Alder, N. Y.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Keil & Son, New York
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

Hinges.
Th. M. Hass, New York.
Francis Keil & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Reels.
Surpless, Dunn & Alder, New York.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Todd-Donigan Iron Co., Louisville, Ky.

Job Lots.
Charles Weiland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.
Plume & Atwood Mfg. Co., New York.

Lamp Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Plume & Atwood Mfg. Co., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York.
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Surpless, Dunn & Alder, N. Y.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilgas and Oil Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Surpless, Dunn & Alder, New York.
Tower & Lyon, New York.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Planes.
Tower & Lyon, New York.
Surpless, Dunn & Alder, N. Y.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg. Co., Boston, Mass.

Poultry Netting.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Rakes.
Gibbs Mfg. Co., Canton, O.
Surpless, Dunn & Alder, N. Y.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Keil & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co. Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton, O.
Fostoria Steel Roofing Co., Fostoria, O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.
Surpless, Dunn & Alder, New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.
Surpless, Dunn & Alder, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co, Georgetown, Conn, New York, Chicago.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shovels.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Union Hardware Co, Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snaps, Harness.
W. & E. T. Fitch Co. New Haven, Conn.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

Spring Hinges.
Francis Keil & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Step Ladders.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tapes.
Keuffel & Esser Co., New York.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Telephones.
Stanley & Patterson, New York.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tobin Bronze.
Ansonia Brass & Copper Co., New York.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Charles Weiland, New York.

Torches.
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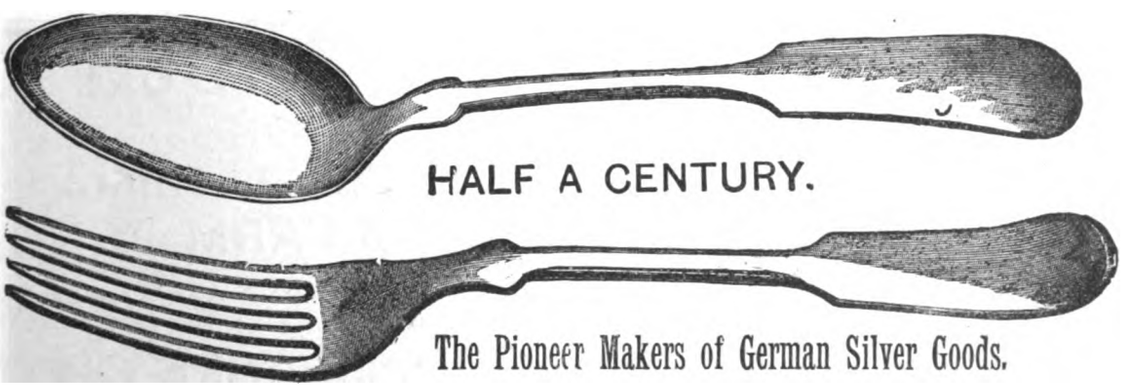
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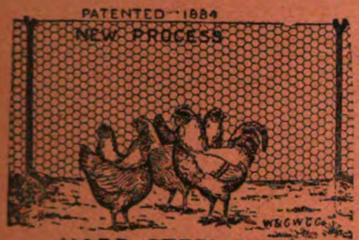
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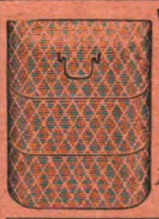
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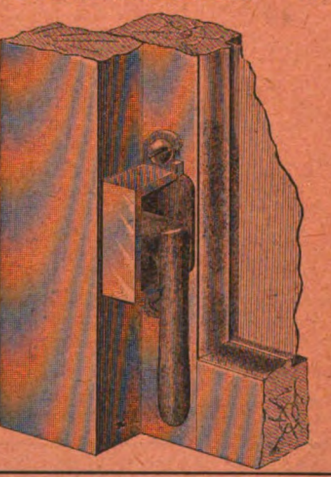
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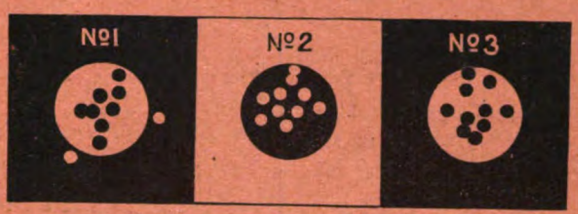
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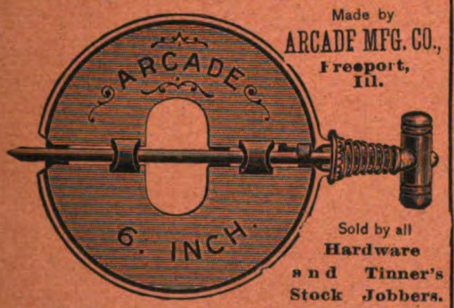
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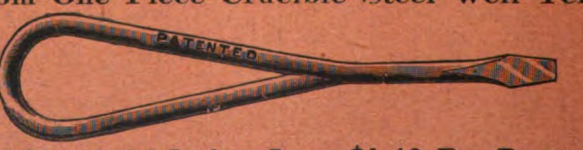
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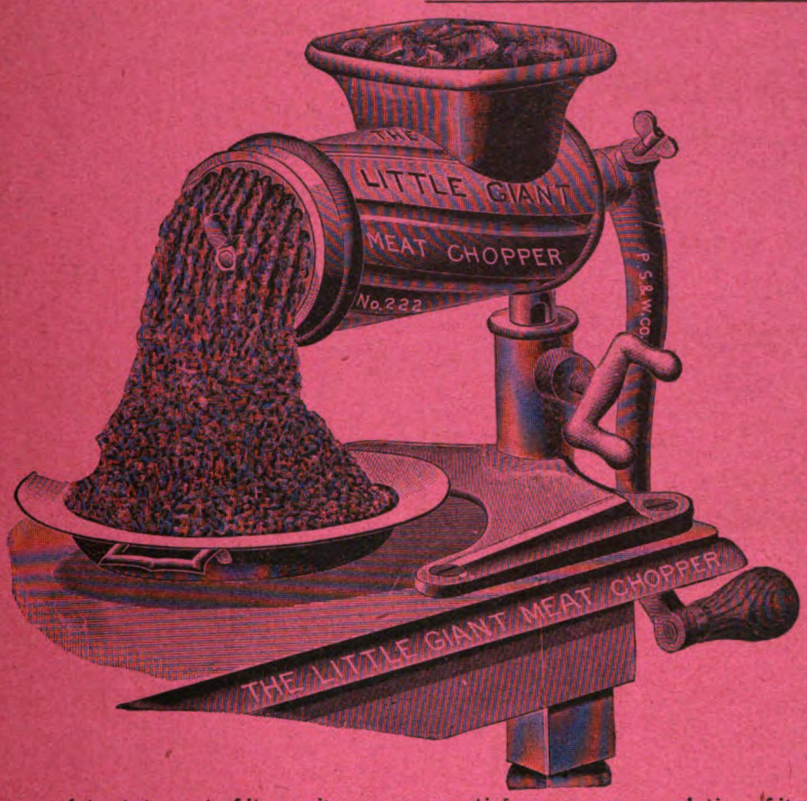
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Where can you find a more complete statement of its merits or a more satisfactory recommendation of its value than the following:

A well-known and representative firm says: "We have had for sale EVERY KIND OF MEAT CUTTER MADE, and AFTER EXAMINATION OF THE MERITS OF EACH, have come to the conclusion that the LITTLE GIANT IS THE BEST OF ALL."

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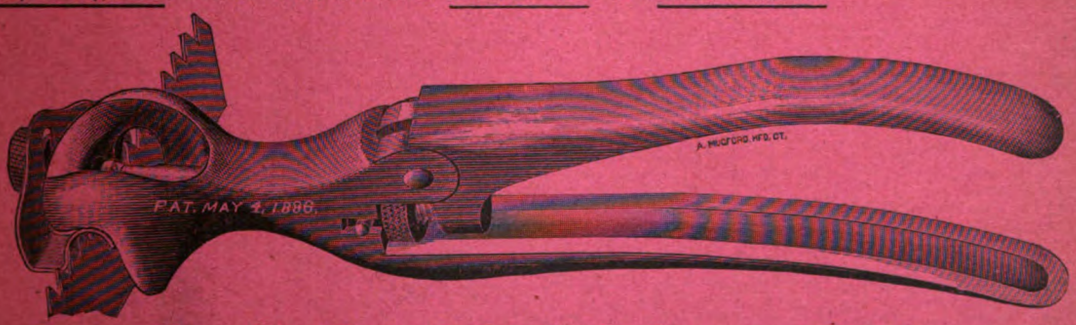
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Discount 50% and an extra allowance to the Wholesale Trade.

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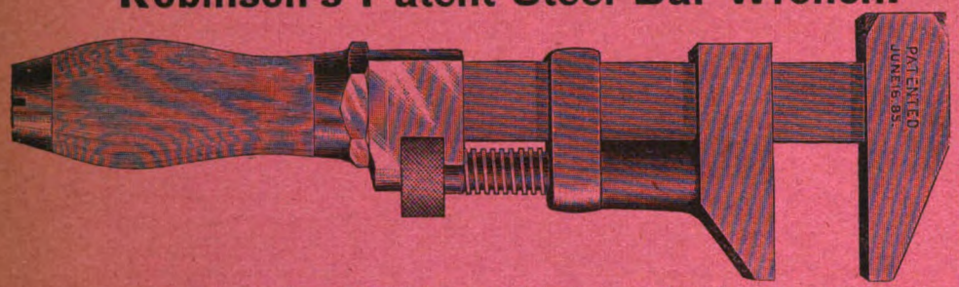
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Very Desirable and Salable Goods.
Quality Guaranteed.

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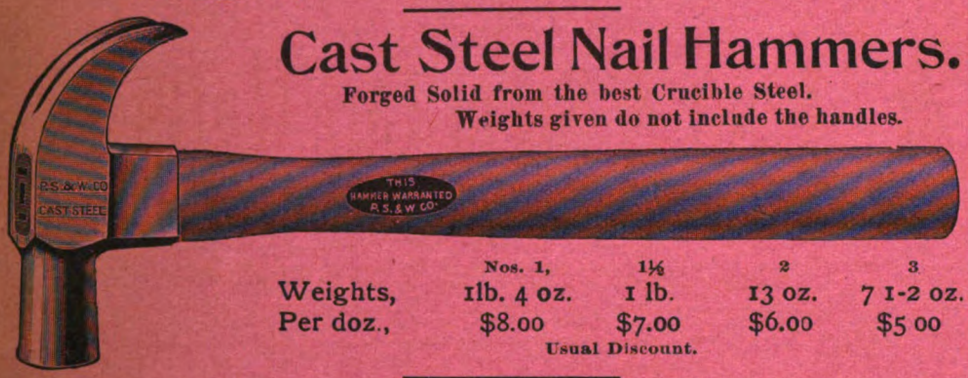


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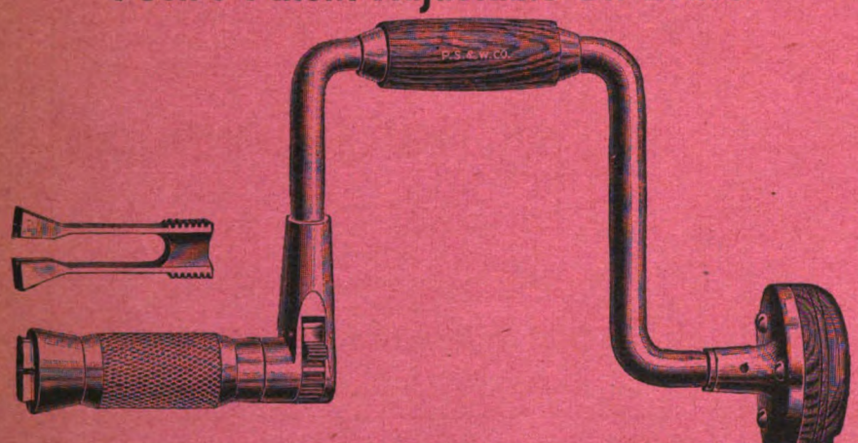
Forged Solid from the best Crucible Steel.
Weights given do not include the handles.



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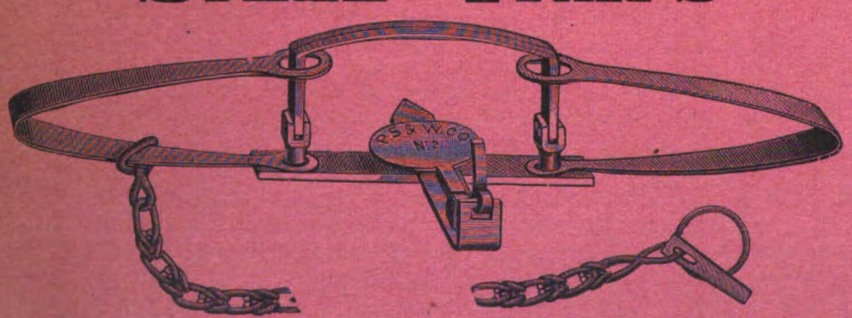
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With Single and Double Spring, all sizes. See that **P. S. & W. Co.** is stamped on the Trap.

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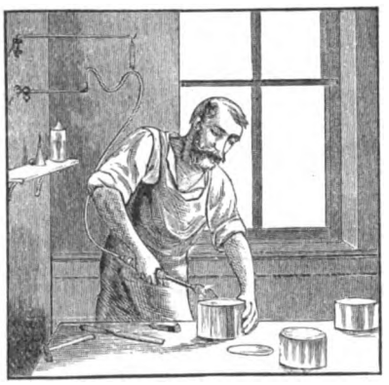
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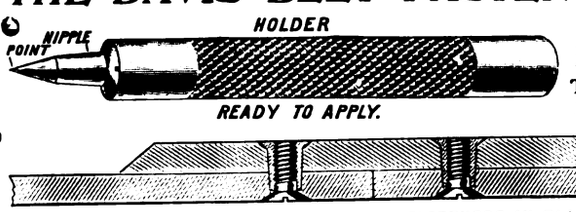
—AND AT—

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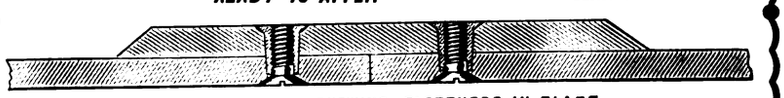
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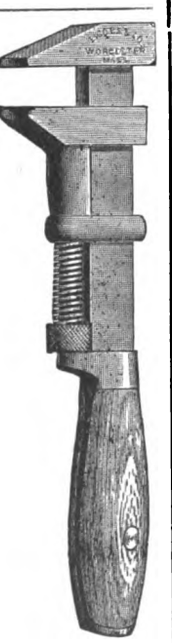
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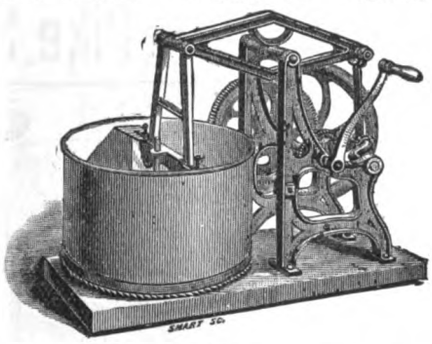
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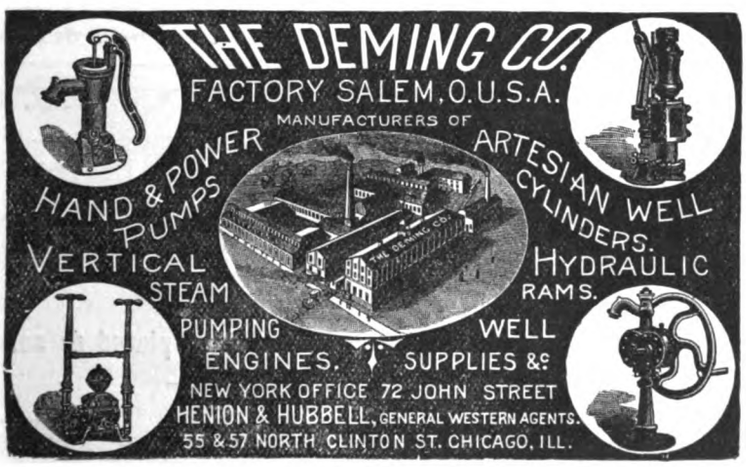
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1123 S. 15th St., PHILADELPHIA, PA

SPRINGS—RIVETS.

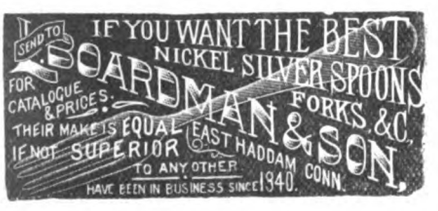
Specialties in

SHEET METAL WORK,

CLOCK and INDICATOR POINTERS.

CLARK & COWLES, Plainville, Ct.







Large Profits in the Lawrence Paint Specialties.

Hardwaremen who do not now handle Paints are asked to write us for information how to make this department one of the most profitable.

W. W. LAWRENCE & CO., Pittsburgh.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

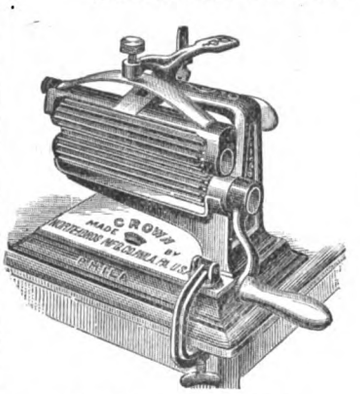
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

SEASONABLE SPECIALTIES.



FLUTING MACHINES.

"CROWN," "ORIGINAL KNOX,"
"AMERICAN."



NEW KEYSTONE BEATER.



U. S. DIAL SCALES.

A Household Scale without loose weights, and arranged to balance pan or dish in weighing U-eful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purcha ed, etc.

CATALOGUES AND PRICES SENT ON APPLICATION.

NORTH BROS. M'F'G CO.,

Second and Lehigh Ave., PHILADELPHIA, PA.

JOHN H. GRAHAM & CO., Mfrs. Agents, 113 Chambers St., New York.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

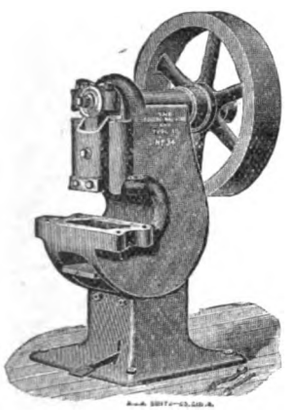
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277 Broadway, Cor. Chambers St.
671 Broadway, B'dway Central Hotel.

Bankers AND Brokers,
Mills Building, New York.

Cable Address: "Ozro."
Long Distance Telephone:
"2964 Cortlandt."

Private Telegraph Wires and Telephones to and from all Exchanges and each of our Offices.

Stocks, Cotton, Grain, Provisions.



The Toledo Machine & Tool Co.,

501-505 Superior St., Toledo, Ohio.

—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Designed for all classes of work in sheet metals.
Write for Catalogue and prices.



COATES CLIPPER MFG. CO.,

Worcester, Mass, U. S. A.

MAKERS OF

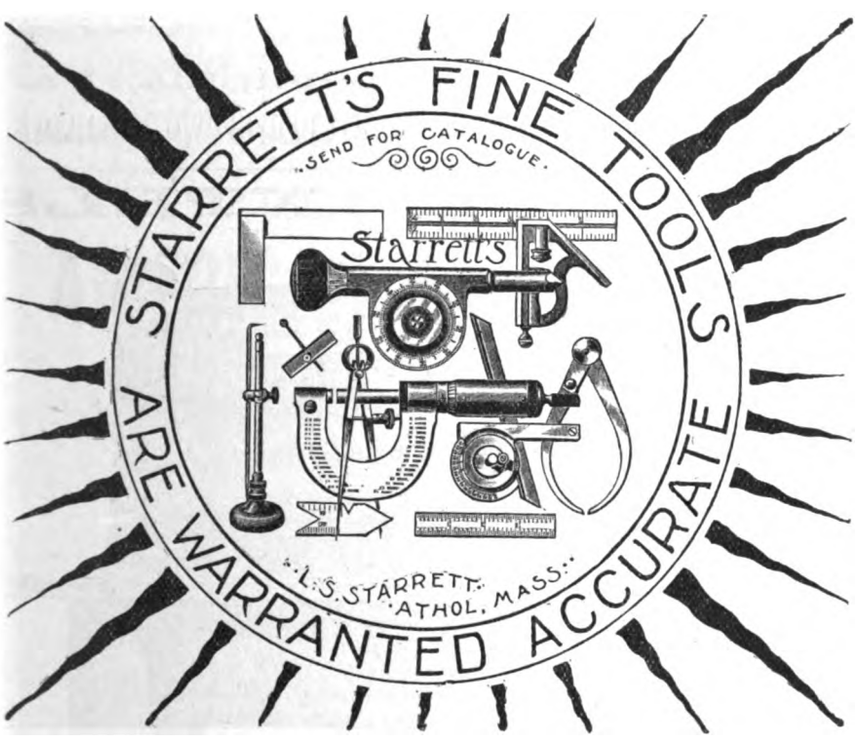
Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-



You take no risk on the quality.
We make only the best.



Sand Papers IN Reams and Rolls

Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO.

700 MARKET STREET, PHILADELPHIA.
67 BEEKMAN STREET, NEW YORK.
148 MILK STREET, BOSTON.
[illegible] LAKE STREET, CHICAGO.

No Rivets!
Oval Bottom!
Half Oval Back!
Perfect Shape!
Best Quality Steel!
Extra Heavy Bottom!
Heaviest Hod Made!
Six thickness at joint of Body, Bottom and Foot!



Write to us for prices on your Season's supply of "Coal Hods" There are 700,000 "Victors" now in use, all sold in the last four years. Give us your approximate requirements when writing for information or prices.

The Cincinnati Screw & Tap Co., - Cincinnati, O.

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A SLED THAT STEERS

The Best Sleds to Sell are STEERING SLEDS.
The Best Selling Sleds are STEERING SLEDS.
The Most Profitable Sleds to Sell are STEERING SLEDS.

"Flexible Flyers" are Steering Sleds.

Our Catalogue will interest you.
Our Discount will please you.
A postal card request will bring both.

"Flexible Flyers,"
5 Sizes.

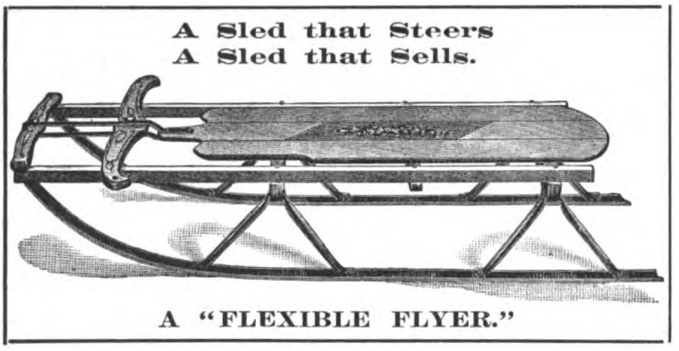
SAFE,

STRONG,

SWIFT,

HANDSOME,

PATENTED.



A "FLEXIBLE FLYER."

Other Flyers.

FLYER COASTERS,
4 Sizes.

FLYER SLEIGHS,
4 Sizes.

GOOD SELLERS.

Or you can obtain them of the leading jobbers if you prefer. It will pay you to be posted on our line before buying your Sled stock.

Retail at list.
Discount large.
Advertised largely to the retail trade.

S. L. Allen & Co.,

(Mfrs. and Patentees of the Celebrated Planet Jr. Goods.)

Patentees and Manufacturers,

Philadelphia, Pa.

MERK CHRISTMAS TREE HOLDER!

PATENTED SEPTEMBER 1st, 1891.

BUY THE BEST!

Christmas Comes But Once a Year.



If you want to make your home pleasant and cheerful during the holidays BUY A MERK CHRISTMAS TREE HOLDER, made of iron, neatly finished in gold bronze, a great improvement over any heretofore made. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. If desired the tree can be revolved. Sample tree holders sent by express prepaid upon receipt of $1. Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the ALLENTOWN HARDWARE WORKS, ALLENTOWN, PA.

☞ SOMETHING NEW. Hardware dealers and others are requested to write for descriptive circulars and wholesale prices.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

WOOD MANTELS.



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ESTABLISHED 1828.

BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



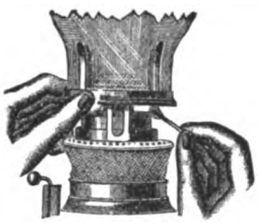
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind
237 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,* Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for Our Little Book.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

NEW .22—CALIBRE GALLERY —AMMUNITION!—

The result of exhaustive experiments prove it to be the most reliable and accurate cartridge ever produced. It has been generally adopted by all the first-class galleries, and the best known marksmen have voluntarily testified to its superiority.

MANUFACTURED BY THE

UNITED STATES CARTRIDGE CO.

LOWELL, MASS.

"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

MILLBURY, MASS.

The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

TWO PRIZE MEDALS,

No. 1098 and No. 1099, AT WORLD'S FAIR.

Buyers are cautioned against any parties who claim a recent connection (or any connection for over 2 years) with Buck Bros., or who represent goods as our make not stamped with the BUCKS' HEAD or BUCK BROTHERS in full.

DE GRAUW, AYMAR & CO.,

CORDAGE

OF ALL KINDS.

Nos. 34 and 35 South Street, NEW YORK.

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST. NEW YORK. 109 109

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

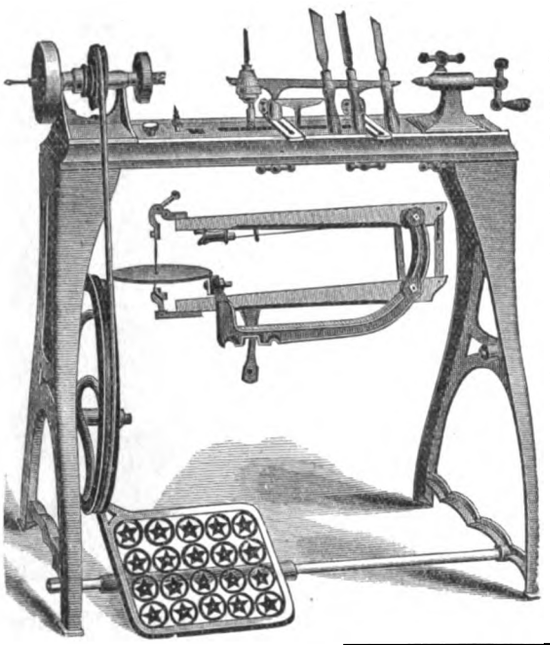
TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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HOLIDAY GOODS.



Many kinds of Scroll Saws have been put on the market by ourselves and other manufacturers during the past twelve years Of these only a few have proved good enough to remain in demand. The call now is for a well-made practica machine, and all second-class ones are of slow sale.

Those who want a good Lathe with scroll-Sawing Attachment and all Tools and Improvements to the very latest moment will buy the Goodell Lathe.

Those who want only a Scroll Saw with Drilling Atta hment and Rubber Blower will prefer the Rogers saw.

These two machines are taking the place of all others, and are now the most in demand throughout the world.

No dealer can make a mistake by laying in a stock of them. About Christmas time they are wanted in every town, and will make business lively at this otherwise dull season.

We also keep a full stock of Designs, Wood, and all other Scroll Sawing goods.

Price of Goodell Lathe complete, $12.00.

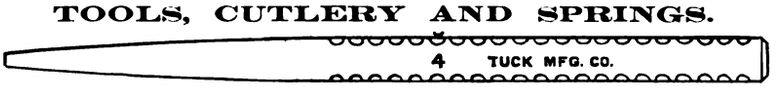
Price of Rogers Saw complete, $3.50.

MILLERS FALLS CO.,

93 READE ST., NEW YORK.

TUCK MFG. CO., ESTABLISHED 1852. **BROCKTON, MASS.**

TOOLS, CUTLERY AND SPRINGS.



The popular Corrugated nail sets are made in five sizes with Round, Square or Hollow Points.

Send for Tool Catalogue.

CHRISTMAS TREE HOLDER.

NEW DESIGN.

Fits all Sizes of Trees.



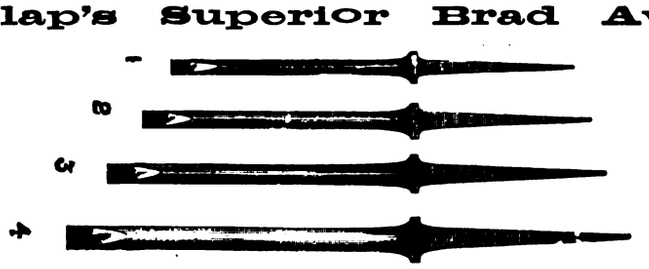
—MADE BY—

Logan & Strobridge Iron Co.,

New Brighton, Pa.

SEND FOR CIRCULAR

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

Wm. A. Shull

PHILADELPHIA, PA.

Sole Manufacturer of the World's well known and only : **Genuine Reputable Goods**

Bearing this REGISTERED TRADE MARK

SURE *SALES*



NO DEAD OR WORTHLESS STOCK.

Demand these Goods from your Jobber.

Facts

ORIGINAL GOODS
ONLY GENUINE GOODS
STANDARD GOODS ON MERIT

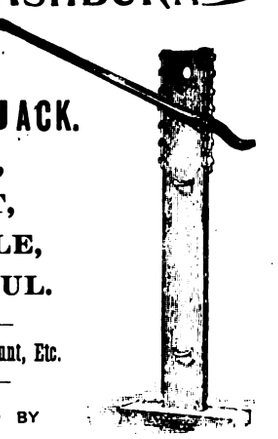
THE profit from, and steady trade on these goods make them worthy your consideration before buying. Worthless Imitations - sold only as like —"Original"—Just think—OF CAUSE TO TRY TO IMITATE.

THE WASHBURN

A *PERFECT*

WAGON JACK.

NEW,
LIGHT,
DURABLE,
POWERFUL.



Send for Prices, Discount, Etc.

MANUFACTURED BY

GIBBS MFG. CO., Canton, Ohio.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.

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IMPROVED BEATER.

Thousands Sold by Hardware Dealers.

THE TIVOLIA Has Stood The Test.

Always Ready for Use.

Manufactured by A. J. HAMBEL.



Awarded Three Medals at the World's Fair.

Send for Circular.

Gives satisfaction and largest profits to dealers.

The TIVOLIA detached can be used for beating eggs, mixing bread, mashing potatoes, and inside the jar for whipping cream, mixing fruit juices, freezing ice cream and many other things for which other beaters are too light.

Territory for sale.

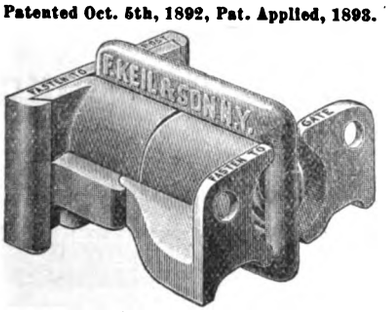
A. J. HAMBEL, 331 Forty-third St., Chicago.

THE SUPERIOR SPRING HINGE FOR HOUSE GATES.

—— Surpasses all known gate hinges ever placed on the market.——

Patented Oct. 5th, 1892, Pat. Applied, 1893.

Tested Compound Springs, Rustless Finish.



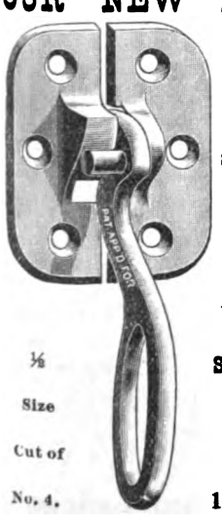
WEATHER PROOF. Use 3 hinges on heavy or wide gates.

Half Size Cut.

A True gate hinge; swings both ways, does not raise the gate as ordinary hinges do, but opens level. Is self-shutting and always stops at the centre. Has no parts to get loose or out of place, and is easily applied. When adjusting tire bolts or wood screws may be used for both post and gate or either, thus covering all requirements. Any catch may be used with these hinges; none, however, are necessary.

OUR NEW AUTOMATIC FASTENER.

Patent Applied for.



½ Size Cut of No. 4.

Locks as easy as an ordinary lock, wedges the door airtight and opens it without effort.

Sizes.	Per Doz.	Pol. Brass.	Nickel Plated.
1	"	$24.00	$25.20
2	"	18.00	19.00
3	"	10.00	10.50
*4	"	7.00	7.50
5	"	5.50	5.80
6	"	4.00	4.25

Best size indicated by a star. Discount 40%.

——Send your quantity orders for prices.——

Made for raised doors on demand.

State hand wanted. Cut shows "Right Hand."

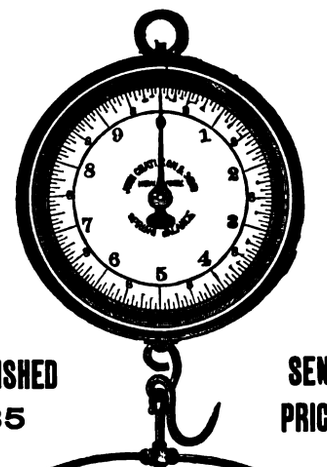
Keil and Condit Fasteners at Lowest Prices.

FRANCIS KEIL & SON,

168rd St., West of Third Ave., New York.

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

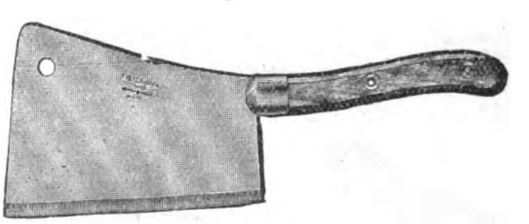
MANUFACTURERS OF

SCALES

—AND—

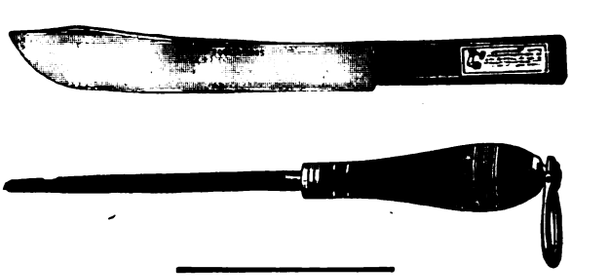
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

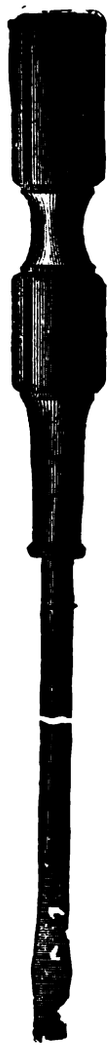
BUTCHERS' CUTLERY



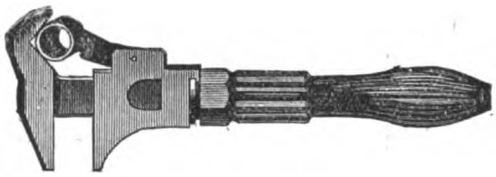
JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

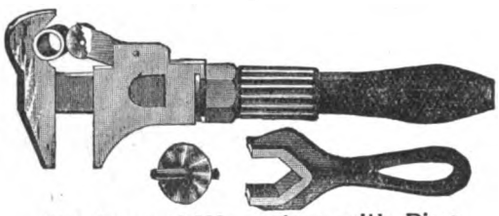
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Champion Screw Drivers (Machinists').

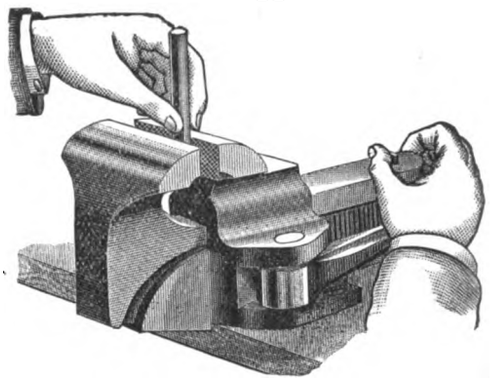


Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

CHAPLIN'S PAT. PLANES.
CHALLENGE PLANES.
EXCELSIOR EXPANSIVE BITS.
WOOD'S PAT. EXTENSION LEVELS.

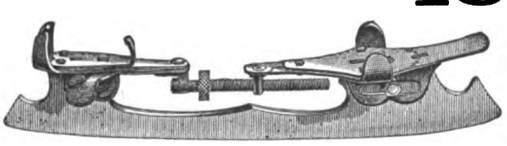
FINE TOOLS, POLICE EQUIPMENTS,

PADLOCKS, ETC.

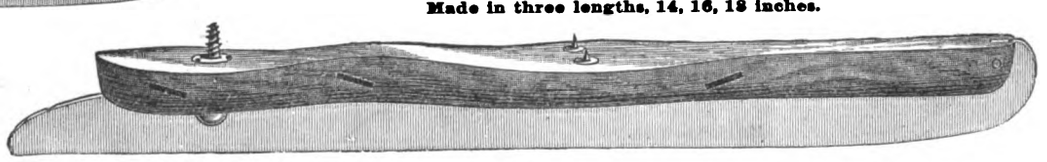
MANUFACTURED BY **TOWER & LYON,**

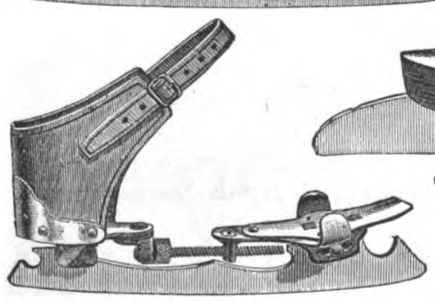
95 Chambers & 77 Reade Sts., - NEW YORK.

ICE SKATES.



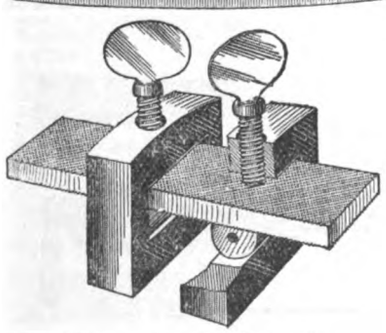
UNION HARDWARE CO.'S RACING SKATE,
CALLED THE
DONOGHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.





The Union Skate Sharpener

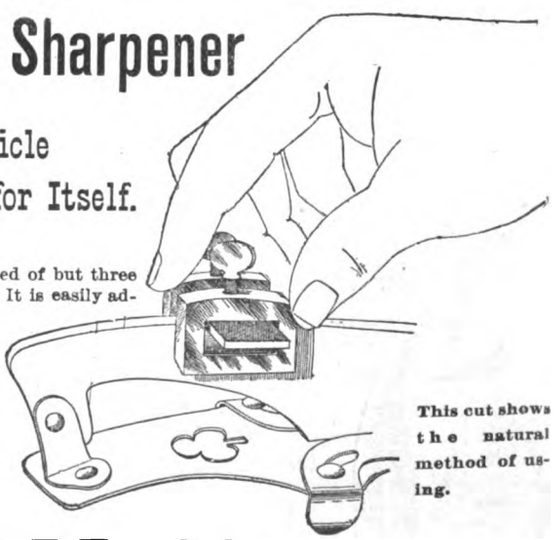
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It always works and may be carried in the pocket.



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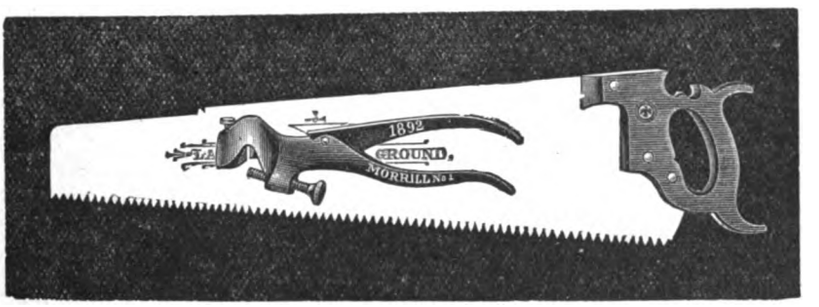
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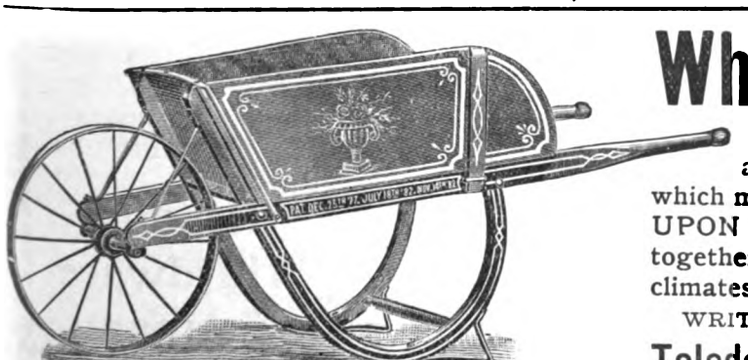
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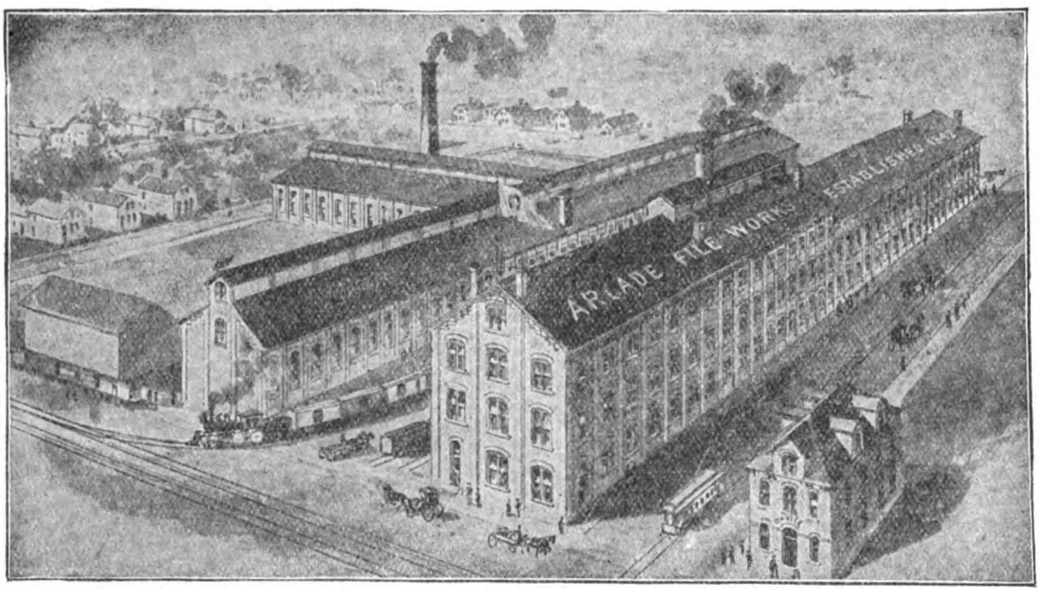
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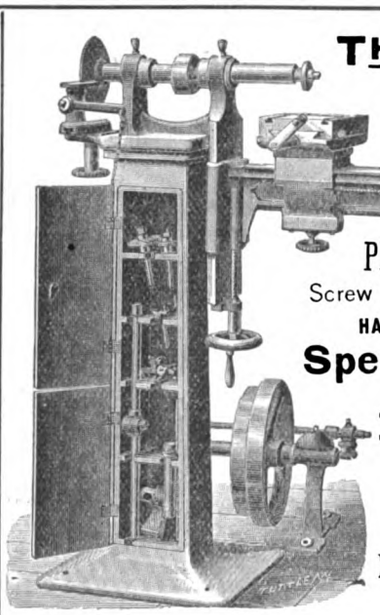
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These Nails are drawn from head to point from the BEST SWEDISH IRON RODS at a welding heat, thus:  *by percussive hammer blows only; then polished by the water process, without the aid of acids, and hammer-pointed without any rolling or shearing.*

They are the best because they are made of the best iron, and by the only process in which the iron is treated naturally, and its strength preserved.

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HARDWARE

A Review of the American Hardware Market,
Specially Devoted to the Retail Trade.

PUBLISHED ON THE 10th AND 25th OF EACH MONTH

BY THE

HARDWARE PUBLISHING COMPANY.

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Good Times: The Last Barrier Removed.

With the elections of November, 1894, the business men of America have reason to feel that the last fictitious barrier against a return to prosperous times has been swept away. Standing upon the vantage ground of the present, we can well look back over the two years that have passed, with a renewed belief in the stamina, elasticity and courage of our country, for there certainly has been during that period one difficulty after another to surmount. We have encountered the financial disasters of the world, the demonetization of silver in India, the Baring failures, the agitation over the repeal of the silver question, and that greater agitation over the tariff question, which for months enabled Congress to hold the business of the country in its grip without possibility of escape, and until that laborious and slow-moving body should be disposed to come to a vote and allow the country an opportunity for breath. Congress had hardly adjourned before the agitation over the elections commenced. This was hardly necessary, but it was hard to persuade the country at large of that fact.

No matter what feeling one may have in regard to the result of the election, it certainly must be conceded that the settlement is decisive. With a Republican Congress, and a Democratic administration in control of the White House, it is reasonably certain that no man will endeavor to renew the tariff agitation for two years at least, and by that time the bitter experience of the past several years may have taught the American people that the tariff is a matter which should be handled by business men, as a business proposition, rather than a political question to be decided by the politicians. Meanwhile, the country will have an opportunity for breath and recuperation, and we feel that the effectual wiping out of the Populist party in the recent election, will dispose of the financial vagaries which that party has fathered, as effectually as the Ohio Idea, or the "rag-baby," was disposed of in Ohio in the days of William Allen and George H. Pendleton. It is a significant fact that in Ohio, where the Democrats declared for free silver, the Republicans won by a majority some thirty thousand larger than was given Vallandigham in the memorable campaign of 1863.

Out of it all, however, we must hold to the consoling fact that no one except pessimists of an advanced degree, can evoke from the affairs of the future any new phantom to stand in the way of business prosperity. The troubles in the Old World, so long as they do not touch us directly, are merely an incentive and an opportunity for a further development of our resources. It seems the part of practical wisdom for every man, to settle down to the conviction that upon him rests a part of the responsibility, and that it is his duty as well as his privilege, to do everything in his power to set the wheels of industry revolving with renewed activity. By so doing, and by casting the fears of the past away with the days that have gone with them, he will be doing the part of a patriot and at the same time working for his own personal success.

Bloomers, Bicycles and Loafers.

The Woman's International Cycle Club has had a recent session in New York, where, in addition to the important question of bloomers, was raised the point whether or not a woman bicycle rider should carry a revolver with which to defend herself against the attack of ruffians, or avenge herself upon the jeering and low-minded multitude. Some of the ladies present were very much in favor of the gun, while others thought that moral suasion, and the lapse of

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time, would be more effective, and one representative of a pugnacious mind argued that the proper thing to do was to gently descend from the wheel and "slap the face" of the offending individual. "Slap him real good in the face," she continued. "If a man ain't worth slapping, why, of course, you have to let him go! I was the second woman to wear bloomers, and I have had some experience. I have always found when you slap a man once *real hard* he will let you alone."

This little contribution to natural history was received with encouraging applause, and it soon became apparent that there were more who were ready to support the slapping process than favored the guns.

It is to be regretted that upon this important occasion some lady well posted in bicycles and their accessories did not arise and suggest that the same treatment should be accorded the jeering crowds along the roadway, that has been found so effective in the treatment of dogs. There is manufactured a little instrument which consists of a bulb and a nozzle, containing a few drops of diluted aqua ammonia. The same can be easily held within the delicate palm of the smallest among lady riders. The slightest pressure will send a stream of this most effective liquid into the eyes of the loud-mouthed by-stander, and will keep him busy with his own affairs for a few agonizing moments, while at the same time doing him no permanent injury. We recommend this bulb or some similar weapon to the attention of the Woman's International Cycle Club. With it, a very effective lesson in road etiquette will be taught, while not at the same time subjecting the rider to the necessity of wading through the gore of her fellow-man, to the penitentiary or the electrocution chair.

H. J. Brainerd, formerly connected with the Payson Mfg. Co., of Chicago, has opened an office at No. 97 Chambers Street and No. 81 Reade Street, New York City and will establish a general brokerage business in Hardware. He will devote himself carefully to overlooking the Hardware market, selecting such bargains as may happen along. He is prepared to buy all lines of goods in any quantities, including Hardware specialties, and will give his customers the advantage of his experience in the number of years he has been connected in the line of business he has undertaken. Naturally he wishes to extend his interests, and in this respect will be glad to represent manufacturers of Hardware specialties from any section of the country.

George P. Benjamin, No. 104 Chambers Street, New York, is placing upon the market the Crown cold handle griddle. This griddle consists of a sheet of heavy asbestos of the finest quality, the same being covered completely with heavy sheet steel, and the two are held firmly together by a corrugated metal rim. It is especially adapted to gasoline, oil or gas stoves, and may be used equally well as a stove mat. There are two sizes of this griddle, nine and thirteen inches, the latter being very deep, allowing it to be used for scrambling eggs and many other purposes. Cakes on this griddle may be browned thoroughly and uniformly without risk of burning.

The Union Wire Goods Co., Cincinnati, Ohio, who controlled the manufacture of corn poppers, flour sifters and fly traps in this country, have dissolved, the members of the combination failing to keep up prices. As a consequence, certain corn poppers, which have sold at eight dollars per gross, are now being placed upon the market at six dollars.

Sixty millions of people will use up a certain amount of goods, hard times or good times. We are about at the end of the visible supply, and consumers have economized about as long as they can. New goods will therefore have to be manufactured to take their place.

The Buckeye Churn.

The Buckeye Churn Co., Sidney, Ohio, are still pushing the Buckeye Churn with no small degree of success. They have built themselves upon the principle that concussion "brings the butter," and the rewards that have repaid their efforts certainly prove that they are upon the right track. They say: "The principle of concussion is the only true one for making granular butter. Anything having floats or paddles has a tendency to break the grain and produce salvy butter. The Buckeye Churn is on this principle, and for cheapness, simplicity, strength, durability and ease of operation, cannot be excelled. They have been thoroughly tested by the very best dairymen and butter makers in this country, and certified to be the most practical churn now in the market, while 20,000 of them are in satisfactory use, and the few out of many testimonials we have from the dealers extensively handling them corroborate the claims of the manufacturers." They will be pleased to send prices and detailed descriptions upon application.

The Hardware Merchants' and Manufacturers' Association of Philadelphia, will hold a meeting at the Hotel Metropole, Philadelphia, on the evening of November 20th, at which will be discussed the question whether or not the present system of syndicate buying is advantageous to the trade.

J. A. H. Dressel, New York, treasurer of the Sportmens' Exhibition which will take place at Madison Square Garden next year, reports that all arrangements are progressing expeditiously. The prospectus and space plan is nearly ready, and will be issued within a few days.

Among the many handsomely bound catalogues in the library of the Hardware Club there has been lately added one from the Van Wagoner-Williams Hardware Co., which for uniqueness in binding deserves and commands special attention.

The American razor men report a very fair business. The factories are not yet running full time, but the indications are that they soon will be. The American cutlery manufacturers also report a good business.

The largest tin-plate factory in the United States, it is said, is to be located at Anderson, Ind. It is to comprise twelve mills, and to include the rolling mills for the manufacture of the black sheets.

C. W. Graham, Hardware merchant, of Winnipeg, Man., announces that after November 1st, he intends to abolish the credit system and sell for cash only. Good luck to him.

"FIN-DE-SIECLE" HARDWARE.



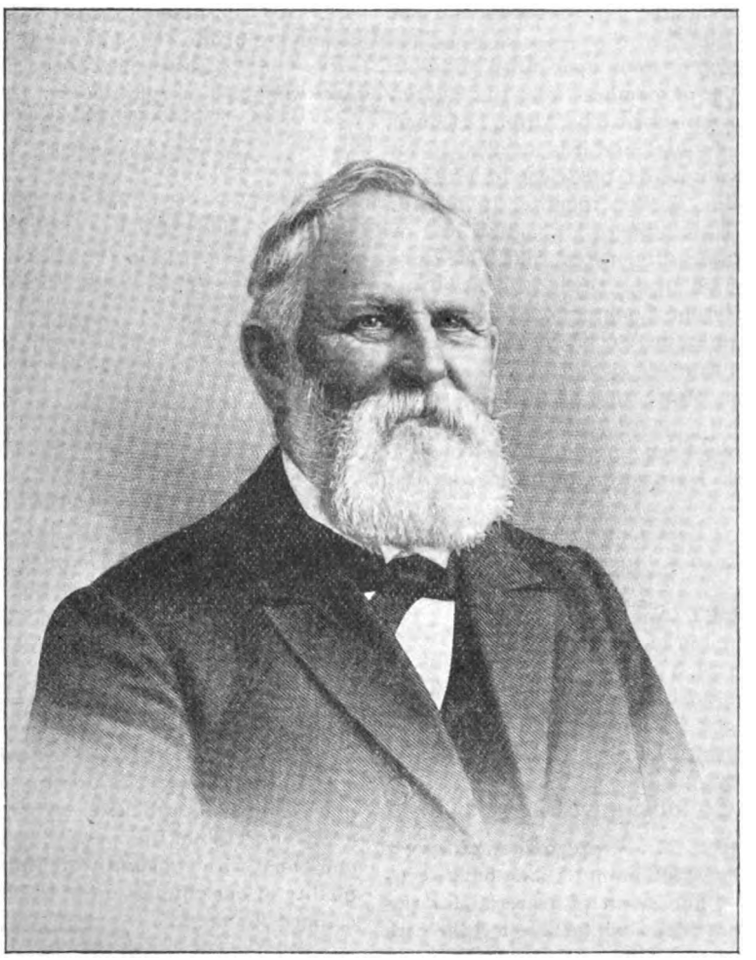
"A RIVETED BOLT.

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Hon. Samuel Winslow.

A BRIEF REVIEW OF A LONG AND USEFUL LIFE.—HIS BUSINESS AND PUBLIC LABORS.

In the issue last preceding, mention was made of the death of Hon. Samuel Winslow, the founder of the Samuel Winslow Skate Mfg. Co., and ex-mayor of the city of Worcester, Mass., which was his home. In this connection, we are permitted to give more extended notice of his useful and beneficent life, and to accompany the same by a portrait of the deceased. Mr. Winslow came of an excellent stock and was born in Newton, February 28, 1827, a descendent of Kenelm Winslow, brother of Gov. Edward Winslow of the Massachusetts colony. He received his early education in the schools of his native town. After leaving school he was employed in the manufacture of cotton machinery, in which he displayed great industry and inventive skill. So rapidly did he advance that at the age of twenty he became foreman in this shop, with over fifty men under his charge. He removed to Worcester in 1855, and on April 1st of that year formed a partnership with his brother, Seth C. Winslow, and started a machine shop. In 1857 they began the manufacture of skates, in which they were especially successful, pecuniarily, in connection with other branches of manufactures. The works were first located in the old Merrifield building in Cypress Street, and they remained there for twenty-one years, after which they were removed to the new machine shop erected by Mr. Winslow on the corner of Mulberry and Asylum Streets, the increasing business demanding more extensive quarters. At the death of his brother in 1871, Mr. Winslow assumed entire control of the business, and continued it alone until the formation of the Samuel Winslow Skate Mfg. Co. in May, 1886, in which Mr. Winslow retained a majority of the stock, afterwards serving the corporation as its president and treasurer.



Mr. Winslow began his public career in Newton Upper Falls in 1848, as a member of the prudential committee for the employment of teachers and the charge of the schools in that village. He was soon after elected clerk of the corporation which organized the Boston & Woonsocket division of the New York & New England Railroad. Mr. Winslow was a member of the Common Council of the city of Worcester in 1865 and 1866; a representative from Worcester in the general court in 1873 and 1874; alderman of the city in 1885; and mayor by successive elections by large majorities for four years, from 1886 to 1889, inclusive, testing his strong personal popularity. He was trustee of the Worcester County Mechanics Association for four years—1868 to 1871—inclusive; vice-president in 1884 and 1885, and president of the association in 1886, declining a re-election to the latter position in 1887 on account of his duties as mayor. In December, 1888, he was elected a director of the Citizen's National Bank, re-elected the following year and chosen president of the board. He had been a trustee of the People's Savings Bank from January, 1889. He was also a member of many Masonic bodies.

In the last three years of his life, Mr. Winslow was prominently identified with suburban street railways. He was president of the Worcester, Leicester and Spencer, the Worcester and Millbury, the State Central and the Blackstone Valley Street Railway companies, and up to the time of his confinement to the house was actively engaged in the duties of his different offices.

As president of the Worcester, Leicester and Spencer and Worcester and Millbury roads Mr. Winslow demonstrated his great executive and administrative powers. His purchase of the Stonewall farm at Leicester, now the home of his son, Col. Samuel E. Winslow, led to his interest in the organization of the Worcester, Leicester and Spencer road, the largest electric street railway in the world at the time of its completion.

He was married in 1848 to Miss Mary W. Robbins, who died in June, 1893. Two sons were born to them, Frank E., of Boston, and Samuel E., both of whom survive him. Mrs. Winslow's death was a severe shock to Mr. Winslow, the effects of which were quite apparent to those who were near to him. During nearly twenty-five years of married life Mr. Winslow had been strongly devoted to his home fireside, and, with the exception of public occasions during his service as mayor, went about very little. Though not averse to the duties and functions of social life, they did not attract him, and he much preferred the happiness and contentment of domesticity. He accumulated some wealth during his lifetime, and was a liberal giver to worthy objects, although his charities were never heard of except through the beneficiaries. His mother was an earnest Methodist, but Mr. Winslow was of more liberal convictions, and was quite a regular attendant of the Church of the Unity.

It seems but appropriate in this connection to voice the opinion of those who knew Mr. Winslow best, by quoting these words from the leading journal of the city of his home as to his life and usefulness: "In the death of Hon. Samuel Winslow, Worcester loses one of her most representative men. Especially was Mr. Winslow well-known in all that concerned the material progress and development of this city. Prominent as a manufacturer, business man and benefactor of worthy objects and institutions, he did his part as a local legislator, and filled the important office of mayor with credit to himself and honor to the city. But it is perhaps as the successful promoter and acting manager of the suburban railway system, now of such incalculable benefit to all the interests of this city, that the late Mr. Winslow will be longest remembered. It was an undertaking whose present complete success has more than justified its founders' sanguine and wisely entertained expectations. The premature taking off of Mr. Winslow is a distinct loss to the city."

The Iron Clad Mfg. Co., New York, are thirty days behind their orders on some lines of goods, being especially pushed on enameled ware. It is with gratification that HARDWARE is enabled to truthfully print such items as this, for it shows that the hard times are slowly but surely passing away.

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Hardware Club Notes.

At a late meeting of the board of governors of the New York Hardware Club a resolution was passed expressing to Charles Morrill, No. 35 Warren Street, New York, the cordial thanks of the board in behalf of the club, for the handsome and valuable oil painting which that gentleman had presented the club, and which now adorns the walls in a prominent position in the main dining hall. Mr. Morrill is the possessor of a very handsome collection of paintings, and has shown his artistic faculty by the character of the pictures which form the same. The one in question is entitled "The Shepherd and his Sheep," and was painted by Henri de Buel of Brussels. It represents a shepherd and his dogs watching with kindly care over a flock of sheep. It is handsomely framed, and is the admiration of all who visit the club rooms; and the thoughtful generosity of Mr. Morrill in presenting the same, has been very favorably commented upon by those who have seen it. There have been also hung upon the walls of the club six oil paintings loaned by the artist, N. A. Moore, of Kensington, Conn. At a recent meeting a vote of thanks was also tendered Mr. Moore for the loan of this collection.

The Hardware Club rooms were kept open until midnight on Tuesday, and a large number of members were there entertained by hearing the election returns read by Alfred D. Clinch. A special wire was run into the rooms, and it is needless to say that the enthusiasm grew in volume as the electric wire and electric eloquence of the reader, worked together in relating the exciting news. The thoughtful care of Mr. Clinch had resulted in the preparation of three fifteen-foot rolls that hung from the ceiling, upon one of which was the presidential vote of 1892; vpon another the present Congressional representation; and upon the third the present Assembly representation —and comparisons could thus be made at a glance.

Col. Benj. S. Lovell, Boston, Mass., was among the recent visitors at the Club Rooms.

The following gentlemen have been unanimously elected to membership in the New York Hardware Club since our last report:

John F. Anderson, Jr., No. 34 Beekman Street.
Oliver P. Buel, No. 261 Broadway.
John Day; H. L. Judd & Co.
George A. Driggs, Waterbury, Conn.
Edward Hassett. No. 271 Broadway.
W. B. A. Jurgens, Brooklyn, N. Y.
William Langdon, No. 5 Beekman Street.
Charles K. Paddock; Paddock & Kleine.
J. Albert Van Winkle, Paterson, N. J.

The A. J. Phillips Co. on Snow Shovels.

The A. J. Phillips Co., Fenton, Mich., are manufacturing a bent blade Snow Shovel with a steel point. They have accumulated an unusually large and fine stock of material for the coming season, and declare that they shall be able to take care of their customers in even better shape than usual. They make the statement "that there was never yet a snow shovel produced that will handle more snow" than the one they are offering. "This is on account of their being so light, and so well formed for loading and unloading."

Their factory is running right along on Screen Goods for the season of 1895. They are especially anxious to take care of their workmen, and announce that they will "pile up the goods even if we have to make prices lower to dispose of them."

Alfred Field & Co.

Alfred Field & Co., No. 93 Chambers Street, New York, importers and dealers in Hardware, cutlery, guns, railroad and mining machinery, and for whom A. H. Saxton is the New York representative, have issued a catalogue of their line of goods, comprising 128 pages in octavo form, well illustrated, and embracing a surprising variety of articles which enter into the line of Hardware carried by dealers. The house has branches in Birmingham, Sheffield and Liverpool, England; Solingen and Hamburg, Germany, and Liege, Belgium. Being agents for Joseph Rodgers & Sons, of Sheffield, England, it is interesting to note the annual output of that firm, which consists of two million table knives and forks, one million six hundred thousand pocket and pen knives, one hundred and fifty thousand carving knives and forks, eight hundred thousand razors, and five hundred thousand scissors.

Alfred Field & Co. are sole agents for Joseph Rodgers & Sons; Peugeot Freres; Coates Clipper Mfg. Co., horse and toilet clippers; Eley Brothers, London, percussion caps, gun wads, cartridge cases and sporting ammunition; L. Hugoniot Tissot, French plyers and small tools; Isaac Greaves, sheep and garden shears; W. K. & C. Pearl, grass hooks, scythes and straw knives; R. & J. Linacre, grass hooks, sickles and scythes, and Webster & Horsfall, steel wire.

Sixteen Excellent Rules.

In the course of his extended and useful business career, Russell W. McKee, of Bruce & Cook, New York, has by observation and experience proved the value of a number of things, the good of which knowledge he is pleased to share with others. He has summed some of these up in a little card upon which are printed the following

SIXTEEN GOOD RULES FOR SUCCESS IN LIFE.

1.—Keep good company or none. Never be idle.
2.—If your hands are not usefully employed, attend to the cultivation of your mind.
3.—Live up to your engagements. Keep your own secrets, if you have any.
4.—When you speak to a person, look him in the face.
5.—Good compary and good conversation are the very sinews of virtue.
6.—Good character is above all things else.
7.—Ever live (misfortunes excepted) within your income.
8.—Make no haste to be rich, if you would prosper.
9.—Never play at any game of chance.
10.—Earn money before you spend it
11.—Never run into debt, unless you see a way to get out again.
12.—Never borrow if you can possibly avoid it.
13.—Do not marry until you are able to support a wife.
14.—Be just before you are generous.
15.—Be temperate in all things
16.—Save when you are young, to spend when you are old.

The Coates Clippers.

The Coates Clipper Mfg. Co., Worcester, Mass., make the following announcement under date of November 1st: "It gives us great pleasure to inform you that we transferred the agency of our goods to A. Field & Co., No. 93 Chambers Street, New York City, on January 1, 1894, and they continue to hold the same, notwithstanding any misrepresentation that may be made to the contrary. They carry a large stock of our goods, and will be pleased to receive your inquiries and quote you factory prices. Their long established business reputation is a sufficient guarantee of prompt attention to all orders and inquiries entrusted to them. We assure you that we shall use every effort, as in the past, that skill and modern appliances, combined with constant watchfulness can furnish, to keep the quality of our clippers up to the high standard we have always claimed for them."

The Standard Tool Co., Cleveland, Ohio, announce the addition to their line of Flat Spring Keys and Spring Colters. The latter are made by special machinery and highly finished and well pointed and shaped. The Flat Spring Keys, they say, are uniform in size and jointed, and made of any width or length desired.

Ammunition men say that it is very difficult to fill orders on account of a scarcity of shells, the manufacturers being far behind in their orders.

Question and Answer.

HARDWARE: I have read your article "A Novel Desk Light" in the last number of HARDWARE. If you can inform me where I can buy the fixture, you will very much oblige Yours respectfully,

Maryville, Mo. ADOLPH LIPPMAN.

The above-named article was seen by a reporter of HARDWARE in a New York store, but the gentleman upon whose desk it appears, has forgotten the name of the party from whom it was purchased. If anyone will inform us, or inform Mr. Lippman, as to where the same can be purchased, such information will be gratefully received.

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Six Letters To a Clerk.—VI.

A PERMANENT SITUATION.

Among all clerks, my dear Tom, there is a feeling that, sooner or later, they are to be members of the firm and doing business for themselves. That every young man should look forward to this, should use all his energy to push himself into such a position, is very natural and all for the best, but you will not have to look far among the business houses on your street to see that, at the best, the percentage of clerks who become merchants is not large. You will see gray headed men at work over the books and among the stock, who are clerks, and who have been clerks all their lives. There are very plain reasons for this state of things.

The largest houses in trade have not been built up by a firm composed of several men; even though there may have been several names in the firm, you will find that there is one among them who really was as much director and master as if his partners were only so many clerks. And instead of thinking to yourself that these men must have been "soft" to allow themselves to be thus controlled, you may put it down to their credit that they were wise enough to let the best man lead.

A wise merchant wants just as few partners as he can possibly get along with. If he has genius for his trade he can invent for the others to carry out, but oftentimes the carrying out can be done much better by a clerk than by a partner. The chances are the partner had a scheme of his own for doing the same thing; he has been compelled to drop his method and substitute this, and in his heart he will not be very sorry if this plan shall prove a failure. This is no uncommon feeling in business; the amount of friction constantly generated in business partnerships is not understood by anyone who has not had experience of it. But when the merchant turns to a clerk and says: "I want this done so and so," he knows that the clerk will have an interest in doing it well and in being successful, lest failure may be laid on him. Though an army contains numberless captains and colonels and generals, there is but one commander-in-chief.. So in business; however well the arrangement of duties among clerks and partners, there must be one mind among all that is supreme.

It is in the nature of things that there shall be more clerks than merchants, and while your constant aim is to push yourself up among the merchants, you should not overlook the fact that your place may be among the rank of subordinates for a great many years, if, indeed, it is not to be always there. And if you are to be a clerk always, there are two points that must be looked after: first, that you shall be so far proficient in your position that you can be sure of a steady place; and next, that you systematically save a part of your income for a time of need or inability to work.

The man who is surest of steady employment is not the one idea man; such a man is a peg that can only fill a very peculiar hole, and he may search for months and years for just such a situation as he has lost and even then not find it. Say that you have had charge of the stock and lose your place; you have been so long at this work that you know but little about selling goods and nothing about making bills or keeping books. If you were to accept a situation at either of these latter two tasks you could not expect more salary than beginners usually receive, and you could not think of going to work for such pay, so you search through the city for a house in need of a stock man and find none.

Now the experience of every merchant is that while a man is pushed forward in position and salary because he is unusually proficient in some one place, it is far oftener the case that the man who can fill several places well is the most valuable in the store, and the one who is never allowed to be out of work for a very long time. If through some turn of the wheel he loses his position as stockman he is ready for the first vacancy he finds, be it as salesman or bookkeeper. I am aware that in some of the largest houses this is not very practicable, but I am a firm believer in the adage about the will finding a way. In a small establishment there is no difficulty in getting posted in every department of the store, and I have yet to see the employer who was not willing that his men should thoroughly learn everything in the store to be learned.

The salary of a clerk is at once a curse and a blessing according as he uses it. If he spends every cent of it, knowing he is going to have just so much to spend, it is a curse; but if he guides his expenditures so that he shall save so much every year, then it is a blessing to him, for it enables him to regulate his wants. There are men, men of mature years, men of families, who look upon a salary as a figure that they are expected to expend yearly; an increase of salary means an increase in expenditure, and though it would seem an easy matter to cut off some of these extras should the salary grow smaller, in reality it is by no means easy; when one has indulged in a luxury long enough he begins to consider it a necessity.

I knew a man who, on a salary of $900 a year, raised a family and bought and paid for a comfortable little home. A change in the firm he was with benefited him by an increase in salary, and eventually it reached the sum of $1500 a year. One would think that if he had been able to live on $900 he ought to save a snug sum yearly on $1500; but he did nothing of the kind; the increased salary allowed him to indulge in a horse, his wife more expensive bonnets, and his daughter in a piano and music teacher, and the truth was he found it harder work to make both ends meet than he had in the old days. And when his affairs were probated last spring, his entire property consisted of the house and lot he had paid for when he was working for $900 a year.

There is another point in connection with the subject of this letter that I was in danger of overlooking, and it is this: no clerk is justified in doing that for an employer which will damage his own reputation. I do not refer to the little everyday affairs of trade wherein glibness of tongue leads a clerk to claim more for the goods than they can bear; no sensible merchant will ask or allow such service, but there are positions wherein merchants are sometimes so placed that the endorsement even of their clerk will be a help to them and bridge over the difficulty. But a clerk should hesitate to make a statement until he knows exactly what he is stating, and then if the truth will not help his employer he can remain silent; to make a false statement may temporarily help his employer but it will not help himself.

I am reminded to speak of this because of an incident of very recent occurrence. A creditor asked a merchant for a statement of his affairs and the statement was sent in the handwriting of the head clerk, who personally vouched for its being correct; it showed the employer to be solvent beyond doubt; but within thirty days of that time the merchant suspended payment and made another statement to his creditors, this time showing himself insolvent by a large sum, and there had been no losses between the first statement and this one. Now one of them was false, and the last one proved the correct one. Of course the clerk had damaged his own reputation irretrievably, and had not benefitted his employer. An employer has no right to ask a clerk to do such work, and if he does ask it the clerk is a fool who accedes to the request.

As my letters draw to a close, my dear Tom, I cannot help thinking that advice is practically of little use. If a young man is quick witted and has taught himself to think, he finds out all these things for himself; if he is stupid and dull and has no ambition, he will not accept advice though it came from one much better qualified to teach than I am.

AN OLD MERCHANT.

New York, November, 1894.

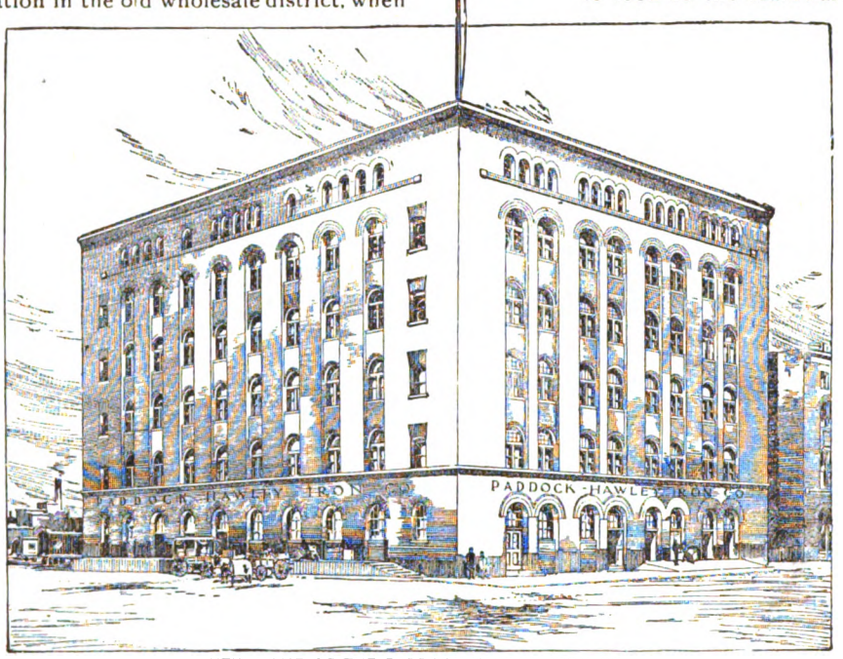
HARDWARE announces, with commendatory words, that "a society among merchants and traders out West has been formed in which the members agree that they will not hold conversation about hard times, dull trade, small orders, slow collections, low prices of wheat," etc. An excellent idea. And if the times keep mending the society will get rich off the fines imposed upon members too busy to attend its meetings—*Philadelphia Record.*

"There never has been an improvement made in the wheelbarrow or in kissing."—HARDWARE. When a man is wheeling a wheelbarrow he cannot very well be engaged in any other employment.—*New Orleans Picayune.*

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New Home of the Paddock-Hawley Iron Co.

It is with pleasure that we show in this connection the new building, recently occupied by the Paddock-Hawley Iron Co., at the corner of Tenth and Spruce Streets, St. Louis, Mo. The building represents the most modern ideas in store and warehouse construction, and is the realization in stone, brick and iron, of twenty-five years successful business of the corporation and the firm which was its predecessor. The design and equipment is especially arranged for the quick and economical handling in and out of store, of the heavy tonnage of this business. Freight is received from and delivered to the railroad companies at the door. The elevator service is of the most improved pattern. The company operate their own steam and electric light plant, and also have an interior telephone system. Thus it will be seen that every detail for the successful transaction of business has been studied. It is worthy of note that the building is the largest under a single roof, occupied by one firm for mercantile purposes in the city of St. Louis, and the largest business of its kind in the country. The original business, of which the Paddock-Hawley Iron Co. is the successor, was established in 1869 and has grown steadily since that time, being incorporated in 1881. In November 1893 fire destroyed the former business location in the old wholesale district, when this company decided to occupy their present improved location. This move not only represents the progressive business instinct of new St. Louis, but coming in these times of business depression, is one of the strongest evidences of the long looked for revival of trade and business enterprise.



NEW HOME OF THE PADDOCK-HAWLEY IRON CO

Prosperity in Meriden.

The month of October has shown a decided increase of business and a much more healthy activity among the varied industries of this city, in marked contrast with the situation during the past year. All the larger concerns report a general revival of trade, and the opinion is unanimous among the manufacturers that the indications point to a busy and prosperous season. Factories which have not been working more than half time are now pushing to their full capacity, and in a few some of the departments are working overtime. The cutlery interests are, perhaps, the most affected by the revision of the tariff and next to them are the diversified interests of the Charles Parker Co. Both are now feeling the stimulus of the general revival in business and have resumed the running of their works upon largely increased time. At the Meriden Britannia shops the employees are putting in fifty-nine hours per week, and a few of the departments have been called upon to do extra time.—*Hartford Times.*

Wisdom From the Corner Desk.

The Man at the Corner Desk of the W. Bingham Co., Cleveland, Ohio, has this month something to say of new lines of goods that the retail dealer should handle:

"Hardware merchants all over the country are casting about for lines that pay the old-time profit, and take up readily with goods that have hitherto been thought to belong to other branches of business. A number have taken up with cycles, some have added sporting goods, others have increased their line of house furnishing goods by adding many outside articles, etc., etc., and it is in these changes and the transformation of the modern Hardware store that the reconstruction consists. The goods that are being taken up are generally such as add to the attractiveness of the store, and when the trade gets finally settled upon its new basis it will be found to be the gainer in more ways than one. The cutlery show case furnishes, perhaps, the most ready inlet for new goods. In the first place, cutlery and kindred lines pay a good profit, and then they afford more opportunity for amplification. Every Hardware store sells pocket knives, and it is easy to add say a few revolvers, silver match safes, manicure sets, etc. Table cutlery, also, forms a good basis for building up a stock of fine goods that pay well. The common steel knives and forks and German silver spoons must be carried, and naturally lead to better goods of the same kind and to other articles of necessity or luxury—fruit knives, sugar shells, orange spoons, butter knives, butter spreaders, salad forks, salt spoons, pie knives, nut picks and cracks, carvers of all kinds and degrees of excellency, case goods, oxydized, satin, bright and gilt goods in patterns and styles without number.

"A good many of the Hardware merchants are adding such goods a little at a time and building up a salable line of flat silver ware, and people are growing to look to the Hardware stores for such goods rather than to the jewelers who had this trade to themselves. It will pay you to familiarize yourself with the table ware and fine cutlery your jewelers carry and the prices they get, and then get figures from your jobber on similar goods, and note the margin. A little money judiciously invested will give you a line, with a few cases for display purposes, and you will find that the people who come to you to buy their kitchen furniture will also buy their table silver ware. Having such goods will bring persons to you to buy presents for weddings, birthdays and Christmas, and will, through a natural association of ideas on the part of the public, give you a reputation for handling fine household goods. Besides, you are keeping up with the times, and that is quite important to do just now."

Poetry and Trays.

A valued correspondent forwards the following improvement upon Longfellow, which he has lately discovered in his wanderings up about Syracuse:

Should you ask them
Why they gleefully rub their hands
'Till the hour glass runs out its sands;
Why the busy merchants are all smiles,
Why their many customers come for miles,
Why these bright arrays and brilliant displays;
They would answer, they would tell you
"Why? nothing, but Campbell's wonderful Sliding Display Trays."

Should you ask them
Whence they came from,
Whence these Trays that are so welcome,
Whence this admiration and attraction;
They would answer, they would tell you
"Write for prices and description,
(As these Trays are all the 'go,')
To Syracuse, N. Y., addressed to Campbell Cutlery Co."

The Economy Gas Stove Co. will manufacture gas and vapor stoves at Decatur, Ill.; $5,000 capital.

Western Combination Washer.

Among the many labor-saving contrivances for the household, the washing machine has played a prominent part in this progressive age; it overcame prejudice to such an extent that it now occupies a prominent place among the staples in the Hardware and woodenware lines.

The Horton Mfg. Co., Fort Wayne, Ind., are one of the pioneers in the Washing Machine business, and not a little to their persistency and honorable methods, is to be credited the confidence which has been established in these goods among dealers throughout the country. Their aim has been to keep the product above criticism, and their guaranty has invariably

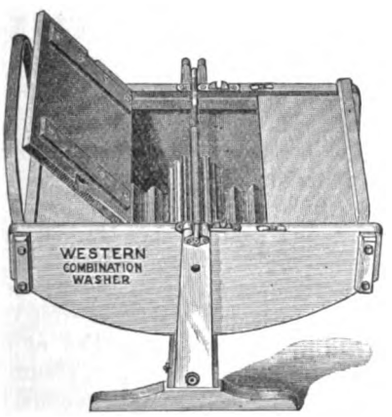


FIG. 1.—IN POSITION FOR OPERATING.

accompanied their statements, so that their machines have become so widely known throughout the United States that their brand is sufficient to insure confidence.

The Western Combination Washer, represented in the accompanying illustrations, is the latest addition to their extensive line of Washers, and as designed to meet the wants of the consumer, which are effectiveness and ease of operation. "The construction of the Western Combination is simplicity itself, inasmuch as there are no gear wheels to get out of order, break, or wear out; for this same reason the Washer is almost noiseless in operation. The rocking motion of the machine operates the corrugated wood roller, which swings back and forth in opposite directions to the motion of the box, in this manner producing the essential elements to successfully wash clothes—rubbing, squeezing and rinsing. The roller revolves on its centre, and also adjusts itself vertically to any quantity of clothing in the box, at all times resting on the same with sufficient

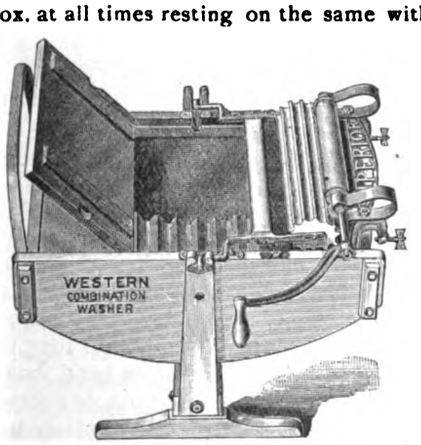


FIG 2. LOCKED FOR USING WRINGER.

weight to produce the necessary action for quick and satisfactory work. By a very simple contrivance the machine is locked so that a wringer can be attached and operated without tilting it." Long experience in the washing machine business has established the fact that the greatest objection to such machines is the hard labor and the abundance of water required. These points have been the guide post in devising and perfecting the Western Combination Washer, and the manufacturers guarantee that it "successfully overcomes these objections, in that it is operated with the least possible effort and requires only about three pails of water." Thirty days' trial is allotted to each machine at the risk of the manufacturer. Another reason which is advanced why the Western Combination Washer "should be received with open arms by the dealer," is that "they can be sold with complete satisfaction and at a fair and legitimate profit. Owing to the great similarity of other washers in the market, and the additional fact that they are handled so generally, competition has been so strong that in many cases dealers have been obliged to sacrifice their profit in order to make sales. Such will not be the condition with this machine, as it is entirely new and novel, and is certain to command a ready sale wherever offered." Dealers everywhere are advised to write the manufacturers for particulars.

A View from the Hardware Club.

TO THE EDITOR OF HARDWARE: I had the pleasure of visiting the Hardware Club of New York to-day, as a guest of a member of that great organization, and I wish you would allow me space in which to suggest that every Hardwareman, little or big, old or young, wholesale, retail, or a manufacturer who visits New York, should pay a visit to that delightful centre of the organized trade of the metropolis. I had expected to see something good in its way, but the realization far exceeded my expectations. A swift-moving express elevator carried us to the fourteenth floor with great rapidity. Of course, the first thing that attracts the attention is the rich and artistic manner in which the rooms are finished and furnished, but that which most emphatically strikes a visitor from the country, is the magnificent panorama of New York City and its surroundings which is unrolled at his very feet. From the various windows of the club rooms can be seen every point of the compass. To the north, the eye reaches almost to Central Park; to the northeast you can see the East River and the suburbs beyond, and the islands which dot that expanse of waters. Farther down come the Brooklyn Bridge and Brooklyn; then Governor's Island, Staten Island, the Narrows, Statue of Liberty; across to the right lies the magnificent Hudson—or North River, as these descendants of the Knickerbockers call it—while on the opposite shore is fair New Jersey, carried back from Jersey City into the mountains beyond Orange. This afternoon, upon the occasion of my visit, the air was clear of all dust or fog—no soft coal smoke as in the West—and as the flood of autumn sunshine poured down upon the scene, even I, a prosaic business man, felt impressed by its beauty, clearness, brightness, and artistic combination of land and water, of buildings and sky.

Any Hardwareman visiting New York, will find a most cordial welcome at the club rooms, to which he will easily find entrance through some acquaintance in the trade of this city. I desire in this connection to say for myself, that I was most hospitably entertained, and that I am looking forward to my next periodical visit to New York, with an anticipation of pleasure which no hotel life in this great city has ever been able to create within me.

Respectfully yours,

O. U. T. OFTOWNE.

New York, October 17, 1894.

A Handy Polishing Mitten.

The patient housewife, or the man-of-all-work about the Hardware store, certainly must hail with great pleasure the advent of an article of the character of the Handy Stove Polishing Mitten, which not only does the work for which it is designed, thoroughly and well, but saves the hand from a great deal of exposure to damage and blacking. This mitten is made to fit the hand, has a waterproof back, while the front is made of durable and soft sheepskin, tanned with the wool on. It not only is useful in stove polishing, but may be used for polishing furniture, cleaning and washing windows, show-cases and other glassware, polishing bicycles, machinery and even boots. The manufacturers guarantee that it cannot scratch the most delicate material or varnish. The mitten is made by the Handy Stove Mitten Mfg. Co., No. 122 Pearl Street, Boston, who will be glad to quote prices to any Hardware or stove man who may be interested, and will send a sample by mail for twenty-five cents.

HARDWARE is published for men now on earth.

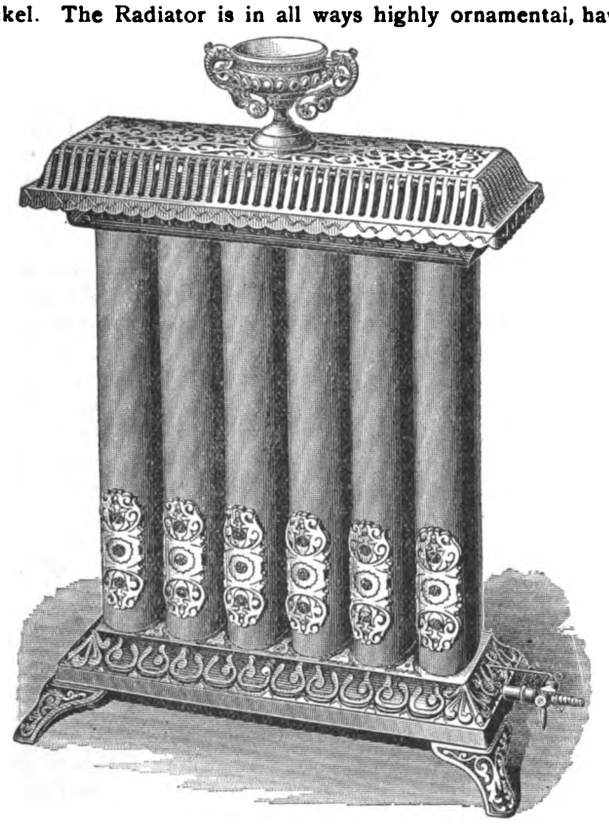
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J. H. Cort & Son's Coal, Oil and Gas Stoves.

J H. Cort & Son, on the corner of Adams and Water Streets, Brooklyn, N. Y., are among the largest manufacturers in the country of Coal, Oil and Gas Stoves. The original firm commenced business in 1823, and six years ago the making of gas and oil stoves was added, and great attention paid to the manufacture of these two lines. The firm in the last two years have twice extended their works, until now they have a floor surface for manufacturing, of thirty thousand square feet.

They have from time to time made improvements in their machinery, so that with the exception of castings, they make in their works everything that enters into the construction of gas and oil stoves. In the oil stoves, the founts for the heaters are made in a manner different from the mode of other manufacturers, both the tops and bottoms of the oil fount being doubly reamed on. Usually the top is sprung on, but this has its disadvantages which are overcome under the new method.

The illustration accompanying this article is a new Gas Radiator which they are now placing upon the market. This Radiator is made in three sizes, and in two finishes, brass and nickel. The Radiator is in all ways highly ornamental, having in the heating column a casting used as a setting for colored glass jewels, which reflect the gas flames in a sort of kaleidoscopic form. Then there is a handsome urn at the top, for the usual purposes of water evaporation, more necessary, according to popular opinion, in gas heating than any other. There are features in its construction such as large radiating tubes, large burner pipe with also a large gas way in the cock, which naturally allows of a good supply of gas at all times. The Radiator is made both with a direct draft and a revertible flue. The latter is somewhat unique in its form and utility. The flue is divided in the centre, longitudinally, almost to the top. This has the effect of propelling the heat from the flame upward, but it is not allowed to escape there. It is forced downward through the other side to the floor, where it passes through perforations to a spot where it is more needed.



The Oil Heater, which is illustrated in the advertisement of J. H. Cort & Son, to be found in another column of this issue, has been placed on the market this year. It is entirely new in design with extra large illuminating and heating power. It is elegantly finished with twisted brass pilasters supporting the base cap, the drum being of planished brass with a return flue giving great heat, while the large mica section gives a superior illumination. The enterprise of the firm is worthy of note, and their efforts have met with substantial reward.

The Latest Catalogues.

John Chatillon & Sons, Nos. 85, 87, 89, 91, 93 Cliff Street and No. 12 Jacob Street, New York, have issued a new catalogue of their manufactures, and the goods for which they are agents. The book is an octavo of 248 pages, handsomely bound and finely illustrated. The firm are the sole agents for the sale of all butchers' cutlery made by Foster Bros. Co., Fulton, N. Y., and Fried. Dick, Esslingen, Germany, the quality of which goods is well known to the trade. The firm have made during the past year many improvements in their manufactured goods. In the spring balance, which they make to register as fine as one hundredth part of an ounce, or as heavy as 250 pounds, they have made many improvements. This has been in the way of adding different styles, and also making extra large dials which show the figures more plainly. The New Favorite Family Scales are now all made with sheet steel cases, instead of cast iron, reducing the weight about one-half and making them less liable to break. They are made with brass dials, silver-plated, or white dials and glass sash, well ornamented, and with all styles of scoops or marble plates. Another new article is the Chatillon's Even Balance Market Scale, which has been long enough on the market to receive the commendation of a large number of people who have used it. It is a most accurate and sensitive scale, the dial registering the weight instantaneously. There is also a new line of confectioners' scales, with the base finished in marble, granite or oak, the parts above the base, as well as the weights, being nickel-plated. The firm, as has already been stated, are sole agents for Foster Bros.' butcher knives, cleavers, steels, etc. These knives are made with the proper cutting edge, while the cleavers are made in great variety to suit all kinds of work. The cleavers are correct in shape, tempered to stand, made from best steel, apple-wood handles, and original in design. In the butcher tools manufactured by Friedrich Dick, the reputation of these goods is such as to need no special commendation. The firm also make and carry a large line of miscellaneous goods too numerous to mention in this space. All the goods, however, are of the best quality, the experience of a firm coming down from father to sons since 1835, having been such as to lead to an excellence in workmanship and material which could hardly be reached in any other way.

The Horton Mfg. Co., Fort Wayne, Ind., have issued a comprehensive catalogue, illustrating their complete line of Washing Machines and Corn Planters. It is a very neat specimen of typographical art, and the various articles which they present to the trade are illustrated in fine shape. In a note of introduction they direct the attention of their patrons to their increased line of standard goods, and refer especially to the Western Combination Washer, which they are now placing upon the market, and which they say "is by long odds the most perfect and satisfactory washing machine they produce, and is the result of years of experience and we are certain it will meet the requirements of the trade." They still further add that their "high standard of workmanship and greatly increased facilities" will enable them to continue to serve their customers to the best interests of the latter. They further add that their shipping facilities are unsurpassed; they keep a large stock of washers and planters always on hand, making prompt shipment possible; aim to have at least one person in every town handle their goods; guarantee their goods to do all that is claimed for them; and that their machines are all double jointed and strongly built, well finished and an ornament to the household. Glancing through this work we see illustrations of their Western Combination Washer, the Western Washer, American Washer, the Wayne Round Washer, the "Superb" Corn Planter, American Corn Planter, metal bottom Western Washing Machine; and conclude with their repair list for Western, American, Western Combination and Wayne Round Washers. They say that this catalogue will be promptly mailed upon request.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, have issued a very handsome catalogue of their Clipping Machines. It is printed in a very attractive manner, and upon the tinted cover are fac-similes of the gold

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medals taken by this company at the World's Columbian Exposition, while on the back cover is a view of the interior of one of their work rooms. A view of the many illustrations contained in this work will show one not only the parts of the machine, but the methods of operation, the machines packed for carrying, and other matters of interest to those engaged in this line of labor, or to whose interest it may be to carry machines of this kind in stock. The pictures are in half-tone, and outside of its usefulness, the work is worthy of examination as one of art. In a note of introduction the company call attention to their marked departure from styles of the past and to the new features which they have introduced, among which is the use of steel combined with lightness. They state that their facilities are extensive for making goods in a superior manner, as they employ only expert mechanics who are accustomed to fine, interchangeable, exact work. They add: "Quality is our aim, and endeavor to surpass. Achievements in that direction have exceeded our most ardent anticipations. In point of equipment, it is conceded that the Gillette machine works have no superior in the world. Situated in the heart of the great metropolis of America, and in one of the grandest of New York's fireproof buildings, with every accessory and convenience conceivable, it is not to be wondered that, with the highest skill, something of an extraordinary degree of excellence is attained. All of the steel for plates is rolled and forged to a degree and tenacity of hardness that insures a cutting quality, a keenness of edge on the knife double that of any other process."

The Brown & Sharpe Mfg. Co., Providence, R. I., have issued a catalogue which illustrates and describes their Cutters. Full-page illustrations of these articles are given, among which are their involute gear cutters, side milling cutters, special formed cutters, formed cutters, metal slotting saws, milling cutters, cutters with inserted teeth, etc., etc. In a note descriptive of these goods they say: "Several of our stock cutters will be recognized, but most of the illustrations are selected to suggest our facilities for special work. There is no limit to the size of cutters or the number which may be combined in a gang, except the size, stiffness and power of the machines in which they are to be used. We now manufacture nineteen varieties and eight hundred and forty-nine sizes of stock cutters, and we can make any size or shape, or arrange for any combination of cutters that may be desired. The formed cutters can be sharpened by grinding without changing their outline. Stocks of our regular cutters are carried by the leading Hardware dealers throughout the country, and accordingly it is usually advantageous to purchase stock cutters from the dealers. It also is frequently advantageous to order special cutters through the dealers."

Sidney Shepard & Co., Buffalo, N. Y., with the branch house of C. Sidney Shepard & Co., Chicago, and proprietors of the Buffalo Stamping Works, have issued their Catalogue No. 58, illustrating and describing the extensive line of goods manufactured and sold by them. This is quite an important work, containing near 250 pages, bound in boards, and very copiously illustrated. Views of their various stores and factories are shown in full-page illustrations. A copious index follows. It will, of course, be impossible to attempt even a general enumeration of the various lines of goods handled by this house. The catalogue is certainly one that can be examined with great interest by the Hardware trade.

The Wire Goods Co., Worcester, Mass., have issued a little circular which should be in the hands of every manufacturer of bicycles. They call it "A Hint," and in it discuss the question of buying bicycle spokes and nipples, arguing in favor of the advantages to be gained from spokes and nipples threaded in the same place. The points they make seem to be well taken, and they will be pleased to send the circular to any party who is interested in this line of manufacture.

The David Maydole Hammer Co., Norwich, Chenango County, N. Y., have issued a handsome catalogue of the Maydole Hammers, a line of goods which it is hardly necessary to introduce to the Hardware trade. They declare that these goods are manufactured from solid crucible cast steel, and that a large number of new styles are shown. The illustrations are given in two colors, one for the hammers and one for the handles, and the work viewed typographically may be pronounced a perfect specimen of fine catalogue making. Upon different pages throughout this catalogue are given some of the awards made to the Maydole Hammers, in the different expositions of the world.

The Onondaga Specialty Co., Syracuse, N. Y., have issued their Catalogue No. 5, covering their extensive line of steel and wood wheelbarrows, track and road scrapers, two and four wheel trucks, push carts, wheels, skids, etc. This handsome little work is very thoroughly illustrated in colors. It contains over one hundred pages, with a copious index, and presents a very extensive and attractive line of articles in the direction mentioned.

The Energy Mfg. Co., Nos. 1115–1123 South Fifteenth Street, Philadelphia, Pa., have issued a new catalogue of their Self-Retaining Elevators, Dumb-Waiters and Hoists. These well-known elevators with their attachments, etc., are shown upon every page, and anyone desiring knowledge upon this important point, will do well to send for this catalogue, which the company will gladly furnish.

The Grey Iron Casting Co., Mt. Joy, Pa., have issued an illustrated catalogue and price list of their Hardware, iron novelties and house-furnishing specialties. They call attention to their new detachable handle sad-iron which they pronounce "a fine toy and a big seller." The catalogue will be furnished to anyone upon application.

Meeting of Bolt Men.

A meeting of the nut and bolt manufacturers of the United States was held in the Weddell House, Cleveland, Ohio, October 16th. The manufacturers present included T. M. Moore, Philadelphia; J. R. Brunt, Anderson, Ind.; S. J. Shimer, Milton, N. Y.; Seward Heidelbach and Isaac Joseph, Cincinnati; George O. Cromwell, Muncie, Ind.; E. H. Fowler, Anderson, Ind.; E. T. Gilbert, Detroit; C. R. Wise, Rockford, Ill.; Charles R. Wilcox, Baltimore; James M. Hibbs, Philadelphia; J. H. Sternberg, Reading, Pa., and W. S. Comley, Port Chester, N. Y. There was no definite action taken at the meeting, on account of the absence of two or three of the largest manufacturers, but it was agreed that the prices at the moment were such as to make it difficult to obtain the prime cost of the goods. The meeting adjourned subject to a further call, when it is thought that those absent would meet the rest and decide upon a definite action. There are twenty-six nut and bolt manufacturers in the country, representing approximately a capital of eight millions of dollars.

Gen. A. W. Greeley, chief signal officer of the War Department, until November 15th is inviting proposals for manufacturers of, and dealers in bicycles, for furnishing the signal service six safety bicycles, solid tire, for use of sergeants of the signal corps, in repairing military telegraph lines, with first-class lamp, bell and saddle bag, containing wrench, oil can, screwdriver, and, if necessary, spoke wrench; singly and strongly crated for shipment; one side to be attached by screws, so as to be easily removed and replaced. Solidity and simplicity of construction, and facility of repair in the field, are deemed of the greatest importance for rough field work.

A useful article for placing an egg in a saucepan or taking it out, called the "Grip" egg tongs, is being brought out in England. It consists of two parallel grips attached to a wire holder which can be grasped by the fingers, and thus the egg can be safely handled without burning the hand.

The sleigh-bell has appeared in the stock of the jobber, and already good sales are reported. The best market for this class of goods is in Northern New York State, and above that latitude, all over the country. There are few manufacturers of sleigh-bells in the country.

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Substituting Cheap Hardware.

"The substitution of cheap Hardware for good in the filling of the specifications of architects by contractors is becoming an evil, and in some respects it is demoralizing." So said a prominent manufacturer to a HARDWARE reporter, some days ago.

"The architect, in making up his specifications, will often call for a superior class of material and finish," he continued, "and the contractor fixes his price upon that basis. But as time rolls on, when the Hardware begins to be needed, the contractor begins to try to save a penny, and this impulse grows upon him until he finds himself placing in a reckless manner the cheapest goods to be found in the market in the building that he is constructing. If called to account for this, he evades the issue, and if driven further, he offers a compromise, which, however, is generally smaller than the amount he has saved by his sharp dealing. For instance, a contractor managed by placing inferior articles into his work, to save, it was afterward computed, seven hundred dollars. Upon fault being found, he offered to take off three hundred dollars, thus finally saving four hundred dollars, a snug little sum in the small transaction that was in hand. In another case the specifications called for double cylinder locks, and the contractor deliberately placed in single cylinders, saying that the latter were just as good.

"Not only does this evil embrace architects' specifications, but it extends to contracts given by the government departments, and sometimes with greater boldness. A remedy has been suggested for this, and that is that the architect buy personally the Hardware that is called for. He does that in many other things already, such as decorations, fire-places, and so on. Nice looking Hardware adds much to the appearance of any building, and there is a growing need that more than usual care should be taken in this direction."

Bicycles in the Hardware Trade.

INCORPORATIONS, NEW FIRMS, AND WHEELS ADDED BY THOSE ALREADY EXISTING.

Albert Lea, Minn.—C. P. Kiel & Co. will open a new Hardware store and take up bicycles. Correspondence invited with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Fargo, N. D.—Katz Bros. are opening a new Hardware store and will put in a line of sporting goods, bicycles and sundries. Circulars from manufacturers and jobbers of these lines invited.

Portland, Me.—The Pneumatic Cellular Tire Co., incorporated to manufacture and deal in pneumatic tires of all kinds. Capital stock $500,000.

Harrisburgh, Pa.—Fred G. Mason, No. 321 Market Street, invites correspondence of manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Holyoke, Mass.—The Keating Wheel Co. will double force of operatives in bicycle factory.

Louisville, Ky.—E. B. Dye and Co., Main Street, will commence handling bicycles. Correspondence invited with manufacturers of bicycles and bicycle sundries.

Louisville, Ky.—The Standard Cycle Co., reported gone out of the business, the Dow Wire Works purchasing the stock and the fixtures. It is rumored that a new bicycle manufacturing company will be organized.

Toledo, Ohio.—Toledo Bicycle Works have placed contract with Lodge & Davis Machine Tool Co., Cincinnati, Ohio, for bicycle manufacturing equipment.

Washington, D. C.—H. E. P. Baden has opened new bicycle store at No. 427 11th Street, N. W., recently occupied by Darlow & Sons. The Potomac Bicycle will be manufactured and sundries and bicycle sundries and bicycle parts will be dealt in.

Clearmont, Mo.—Cullom & Wolfe, Hardware, bicycles, etc., succeeded by Wolfe & Houston.

Jackson, Mich.—The Derby Cycle Co.'s factory for manufacturing bicycles with prison labor, is about ready to commence operations. The machinery is all in position and nineteen convicts have commenced work. The contract the Derby Cycle Co. has with the prisoners calls for seventy-five convicts.

Rochester, N. Y.—Sager Mfg. Co., incorporated by J. H. Sager, George C. Sager and Frederick Zoller of Rochester, to manufacture and sell bicycle saddles and other bicycle attachments. Capital stock $25,000.

Denver, Col.—The Deitz Cycle Co. filed copy of corporate seal.

Toledo, Ohio.—The Truman Bicycle factory is preparing to occupy a factory building on Smead Avenue.

Atlanta, Ga.—The Indiana Bicycle Co. will establish a branch house corner of Peachtree and Walton Streets.

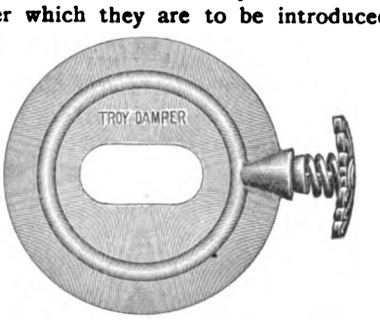
Detroit, Mich.—Reindel & Sprung, bicycles, guns, etc., reported dissolved. John M. Reindel succeeds.

Plymouth, Ind.—The Marble Cycle Mfg. Co.'s large three-story brick factory building was struck by lightning during a recent terrific storm, damaging the valuable machinery.

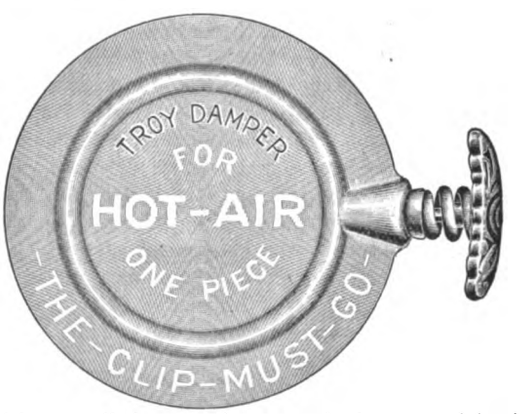
Weatherly, Pa.—The Keystone Bicycle Co. are having plans drawn for a large factory.

The Troy Dampers.

The Troy Nickel Works, Troy, N. Y., have once more demonstrated their enterprise by the addition to their line of the Hot Air Dampers here shown. "The Clip Must Go" is the motto, it seems, under which they are to be introduced. It is ex-



plained that the Damper is made of steel, and in such a way that it cannot warp or get out of position. To place it in position requires but one hole in the pipe and a moment of time upon the part of even the most unskillful. "It is light and durable; the spring in the handle is strong, and will keep in



any position at all times, and can only be moved by hand." The handle is nickel-plated; is made in all sizes; patent has been applied for; and the six inch size is now ready. The Troy Nickel Works will send prices, etc., upon application.

At the annual meeting of the Central Oil Gas Stove Co., which was held at Porland, Me., some days since, these officers were elected: President, John C. Hammond, Northampton; first vice-president, E. A. Thissell, Northampton; second vice-president, C. W. Conant, Gardner; treasurer, W. H. Wilder, Northampton; these officers, with Caloin H. Hill, Chicago; Dwight S. Smith, Jackson, Mich.; L. H. Littlefield, Pawtucket, R. I.; Harlan P. Wilder, Gardner, and Henry P. Field, Northampton, constitute the board of directors.

C. M. Avery has been appointed the direct representative of the Horton Mfg. Co., Fort Wayne, Ind. They are the well-known manufacturers of corn planters and washing machines, their new Western Combination Washer being one of the events of the season.

The bicycle dealers and agents of Louisville, Ky., representing twenty exclusive bicycle houses, and six other merchants who handle wheels as a side line, are agitating the question of a local trade organization.

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

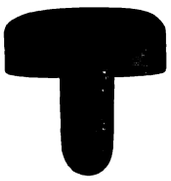
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

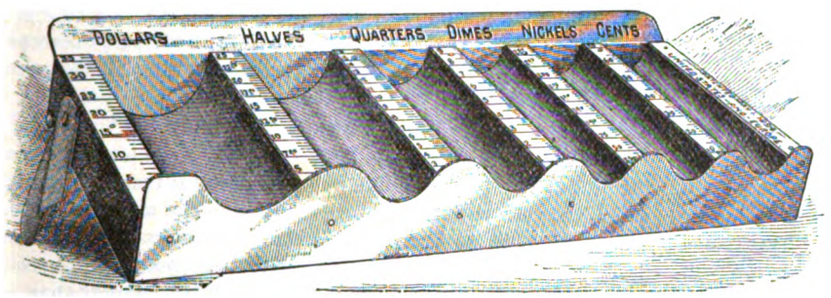
"Common Sense" Chair-tip.

The "Common Sense" Chair-tip is manufactured by Henry F. Knowles, No. 49 Federal Street, Boston, Mass. It consists of a rubber tip molded and vulcanized upon a wooden spindle. The head of the spindle is first covered with frictioned duck, and about that is wrapped the rubber, which is vulcanized to both duck and wood. The spindle can be inserted in the bottom of any chair leg, and, of course, all noise, scratching upon the floor, etc., are done away with.



Universal Cash Register.

This new Universal Cash Register is being placed upon the market by Samuel Chittick, No. 130 East Twenty-third Street, New York City. The body is of wood, well finished; is near 4x9½ inches in size, with nickel-plated metallic top and bottom strips; supplied with adjustable legs of different lengths on the



ends, to allow of standing in an inclined position. "It is divided into compartments of suitable sizes to accommodate dollars, half dollars, quarters, dimes, nickels and cents, with a marked plate at the left of each compartment to show the amount of coin in the register at any time; the capacity of each compartment being shown in the cut." The manufacturer adds that "the register is useful, simple, convenient, compact and ornamental; combines two articles in one, a coin register and a coin holder; is a great time and labor saver, avoiding mistakes; when the cash is in place it is counted and registered instantaneously, a glance showing the amount; acts as a check on those left in charge of the cash while the proprietor is absent; the registering plates are arranged to count new and worn coin as commercially received and paid out; is so adjusted that it can be used in an ordinary cash drawer or placed on a desk, and that when wrapping coins they are already arranged to pick out and wrap up." The maker delivers it to any point in the United States, charges prepaid, for $1.

Cleveland Novelty Tool Bags.

The Cleveland Novelty Co., Cleveland, Ohio, are placing upon the market a line of tool bags, baskets and satchels, some



FIG. 1.

forms of which we here show. The Basket, Fig. 1, is formed of heavy water-proof duck, leather bound; has a double bottom and metal buttons; especially designed for mechanics whose tools are bulky and not easily carried or packed in a chest. Fig. 2, the Bag, is made of the same material, with



FIG. 2.

double bottom and two pockets; is adapted to the use of carpenters, masons, plasterers, who are compelled to carry their tools from place to place. Fig. 3 shows the Satchel, which is made of heavy canvas, with leather seams, leather handles, metal buttons to protect the bottom, and is provided with lock and key; all are water-proof and serviceable; a great convenience to masons, plumbers and kindred tradesmen. The baskets are made in 30 and 36 inch sizes, the bags in 22, 24 and 26 inch sizes, and the satchels in 16, 18, 20, 22 and 24 inch sizes

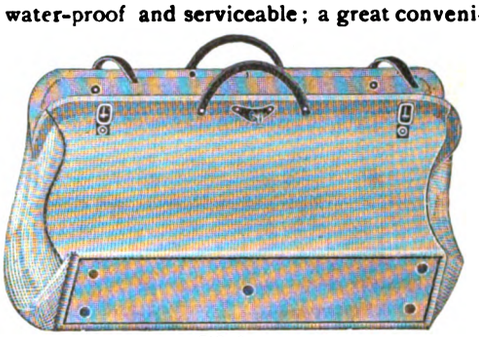
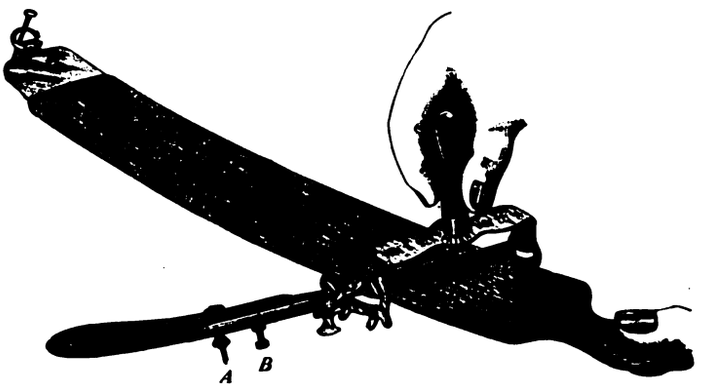


FIG 3

Service Stropping Machine.

E. Lothar Schmitz, No. 92 Reade Street, New York, is manufacturing the Service Stropping Machine here shown. It is explained that all parts of this article are nickel-plated, with a black enameled handle and a substantial cross bar. "A nickeled metallic attachment, with brass set screws (A and B) is used to keep the handle and blade of the razor in a straight line; and in adjusting the attachment to the back of the shank and handle the hook of the screw A is passed through the handle and turned, then fastened in place by screwing the



knurled nut. After this the screw B is turned until the handle and blade are tightened in a straight line. The screw B, when once properly adjusted to a razor, needs no further resetting. The razor blade is then slid in the frame holder and one end of the swing strop is passed through the opening between the revolving slider and the cross bar; strop is held in a horizontal position and by moving the machine forward and back over the strop the friction causes the blade to be reversed each time, automatically turning it on its back with the cutting edge pressed against the strop. The strokes may be short or long,

quick or slow, as desired, and in every case the machine will work to perfection, giving the blade a fine keen edge, such as never can be produced in the ordinary way of stropping. The strop will not be spoiled, as it is quite impossible to cut into the leather. The machine is sold with the strop."



"L. & G." Garbage Pail.

The Lalance & Grosjean Mfg. Co., No. 19 Cliff Street, New York, are offering this new Garbage Pail to the trade. It is made of wood outside, with a crystal steel enameled lining. It has an outside measurement of 12¼ x 12¼ inches, holds three gallons, and is commended by its makers for its durability, tightness, lightness and imperviousness. It can be easily kept clean, because of its enameled lining.

Trimo Giant Pipe Wrench.

This Pipe Wrench is manufactured by the Trimont Mfg. Co., Roxbury, Mass. The makers speak of its strength, safety and durability, and add: "This Wrench has a solid forged head with detachable interchangeable gripping jaws made from a fine quantity of tool steel. The chain used is the best quality of cable chain. The head is made so that the chain is held



securely without danger of falling out, thus overcoming one of the most dangerous and unpleasant features attending the use of chain wrenches, and still can be readily released at the will of the operator. This Wrench is made and adapted for all kinds of work as well as hard and rough usage. No slipping; no locking; no lost motion. We will make the handle of Nos. 5, 6 and 7 length to order with or without ring at an extra cost."

The Handy Wagon.

This attractive little article, of especial value for the holiday season, is being placed upon the market by the Handy Wagon Co., Canton, Ohio. It combines, they say, "all the features of the plain child's wagon and a velocipede, and costs less than either when considered with reference to the child's safety in using, and the strength and durability of the vehicle. It is made of the best steel and malleable iron, and is guaranteed to carry 300 pounds with perfect security. The axles are of steel, and every spindle is milled, and each wheel reamed, so as to afford a neat fitting and easy running bearing.



To the rear crank axle is attached a pair of pedals, which, in addition to its being the best made wagon on the market, makes it the safest, lightest running, and most easily controlled velocipede ever constructed. The pedals are detachable, and, by adjusting the seat in the bottom of the wagon, can be suited in reach to the convenience of children from three to twelve years of age. Every wagon from our factory is guaranteed to be made of first-class material, and constructed after the most mechanical and approved methods."

Safety Collar and Holder.

The Safety Stovepipe Collar and Holder is being placed upon the market by J. K. Randles, Quincy, Ill. It is designed to prevent the stovepipe from slipping out of the flue hole, or from sliding too far in, and thus shutting off the draught. It is declared to be "soot and spark proof: can be firmly fastened in the flue hole, and clamps tightly around the pipe." The maker, in further description, adds: "A close inspection of the cut will render unnecessary an extended description. To put the collar in place, the thumb-nuts are loosed until the slotted claw hooks will slide back and forth readily, the collar is then put in the flue hole, with hooks inside; press the collar firmly against the wall, at the same time pull on the slotted hook, and when tight as can be made, turn the thumb-nut to hold. The pipe is then inserted in the collar, and the stove bolt at top is turned with a screwdriver, until the collar firmly clamps around the pipe. The hooks inside the flue and behind the bricks holds the collar in place against the wall, and the collar clamping around it surely holds the pipe. It is neat in appearance and durable, there being no springs or solder about it, and is nicely bronzed. It is easily put in place. No tools are required except a screwdriver. It does not mar or disfigure the walls and is an ornament to any room."



Brighton Pound Coffee Mill.

The Logan & Strobridge Iron Co., New Brighton, Pa., have just added to their large line of coffee mills a One Pound Mill which bids fair to take a leading place in the market. "One great objection to a canister coffee mill is its bulk and unwieldiness, but that has been entirely overcome in this mill. For compactness it has no equal, being but little larger than an ordinary coffee mill. It is made in the best manner possible, having rapid grinders, adjustable to fine or coarse. The adjusting nut has a very simple but effective locking device which prevents the nut from turning after once being set. The boxes are made of the best poplar, dove-tailed and glued together. The mill is being put on the market at a low price which is bound to make it a good seller."



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Patent Premier Egg Cups.

The artistic and attractive novelty here illustrated is being placed upon the market by the Meriden Britannia Co., Meriden, Conn., and Nos. 208 Fifth Avenue and 1128 Broadway,

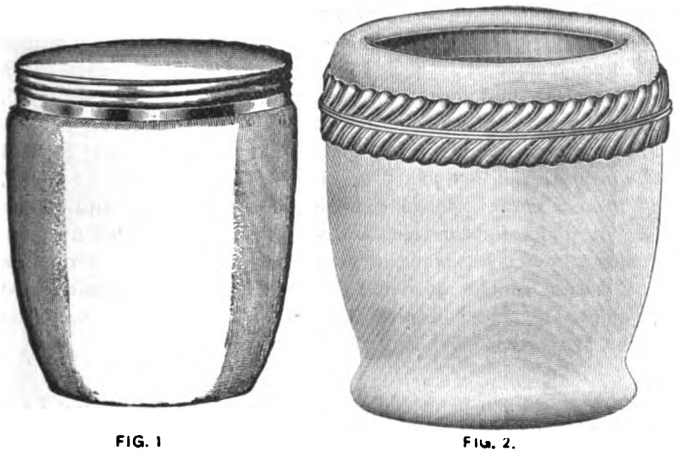
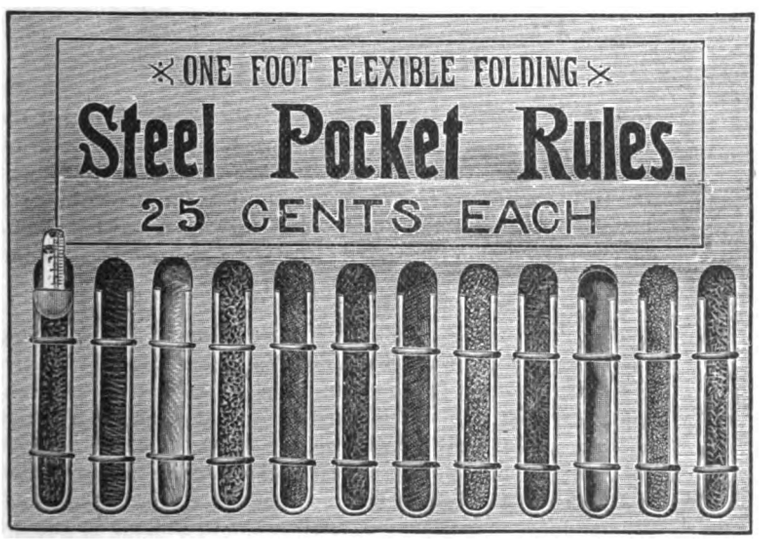


FIG. 1 FIG. 2.

New York. It is the patent Premier Egg Cup, which is quadruple silver-plated, has china linings, and is desoribed as "a perfect article for cooking and serving eggs. No shells, perfect flavor, elegant in appearance." Its method of use is to "break the eggs into the china cup, screw the cover on tightly; entirely submerge in the water and boil as usual one or two minutes longer than for eggs in the shell. The flavor is improved by placing the condiments with the eggs before boiling. Capacity two eggs. When ready to serve, remove the covers from the china cup (Fig. 1) and place in the silver frame" (Fig. 2.) Prices, etc., will be sent upon application.

Lufkin Steel Rule Card.

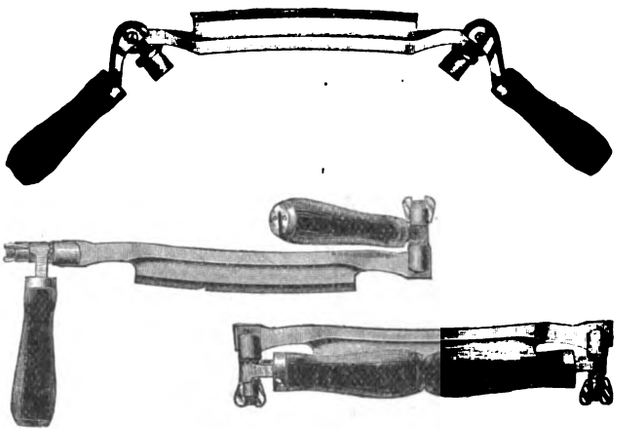
An attractive and unique article just placed upon the market is the Rule Card offered by the Lufkin Rule Co., Saginaw, Mich. Its character and purpose will be seen in a glance at the accompanying illustration. It is a neat display card, made to set on the counter and show-case, each containing one dozen one foot flexible steel folding pocket rules. These Rules are made of spring steel No. 28 gauge, four inch joints three-fold, put up in handsome metal bound embossed leather cases of assorted colors. They are light, compact, convenient, durable, and just the thing to carry in vest pocket and are ready sellers. The price per card, with one dozen rules, is $2 net; retail price of Rule, twenty-five cents each. The character of the company making these is a guarantee that the goods are in all de-



grees first-class, and just as represented. They will be glad to hear from the trade,and will fill sample orders for one card, by mail, for twelve cents.

Cantelo Drawing Knife.

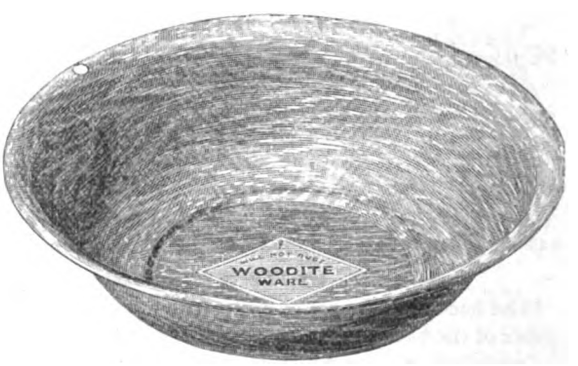
C. E. Jennings & Co., No. 79 Reade Street, New York, are placing upon the market the new style Cantelo Drawing Knife, which is an improvement over the old style Cantelo Knife, known as "Wilkinson Drawing Knife." The handle can be quickly adjusted to almost any position by loosening the thumb screws at either end of the blade, thus allowing the mechanic to make use of the tool in almost any position. When the tool is not in use, the handles fold over the blade, thus fully protecting the latter when it is thrown about in the chest of the



carpenter. The arrangement of the knife with automatic locks makes of the tool one that is very stiff handled.

A Sample of "Woodite."

A new enamel ware, "Woodite," has just been placed upon the market by the Bronson Supply Co., of New York and Cleveland. It takes its name from its similarity to the color and grain of wood. It is a mineral enamel, not a lacquer or a japan, although it resembles the latter. The process consists of several coats, yet the enamel is very thin. "It is extremely tough and does not crack or chip, and it cannot rust. It is not intended to withstand heat. Woodite will be made in a large variety of articles and utensils for kitchen and household use. The process has been tested and experimented with for over a year and a half, and has now been brought to perfection, and will be quite a novelty in the Hardware and house-furnishing trade. The Bronson Supply Co. have only within the last few days placed these goods on the market. They are making basins only at present in Woodite ware. The basins are of the best IX tin, mineral enameled. The success of Woodite is assured, a part of the trade to whom the goods have been shown having already placed large orders for basins. The manufacturers have made up a large number of articles in this ware, but these will not be manufactured in quantities for some weeks yet. The inventor and manufacturer of these goods is F. W. Morse, of Providence, R. I., who has contracted with the Bronson Supply Co. to sell the entire output of Woodite ware in this country and abroad. In appearance, Woodite is entirely different from anything ever before put on the market. Its resemblance to wood is perfect, showing the grain of the wood minutely. It can be made in a large variety of colors, resembling various kinds of wood. It keeps its lustre



and will not wear off. One remarkable feature of this ware, and a very valuable one, is its elasticity. In fact, Woodite utensils may have a number of indentations and plenty of hard usage, but the enamel will not crack or chip." The traveling salesmen of the Bronson Supply Co. are now showing this ware all over the country, and samples are also sent on request from the main office of the company in Beekman Street, New York. Further particulars will be furnished by addressing the manufacturers.

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A New Wrought Padlock.

A padlock presenting several points of novelty has been placed upon the market by the Yale & Towne Mfg. Co., Stamford, Conn., and is shown in the illustration, the cut being just one-half the actual size of the lock. This Padlock is made entirely of wrought metal, the shell being either of brass or Bower-Barffed steel, while the shackle and all the working parts are of brass, both for the brass and for the steel shell



locks. The novel form of case and the peculiar construction of the shackle will be noticed at once, the shell being rectangular in shape, one inch wide by one and seven-eighths long, and the shackle forming a circular ring with the joint at the top. The shackle has spring action, opening automatically when the key is turned, and being self-locking when closed. The position of the joint makes this form of shackle very convenient, the opening being in the side, rendering the lock easy of removal from the staple when unlocked, and also enabling it to be locked readily by pressing the two sides of the ring together. The internal mechanism is entirely of brass, operated by flat steel keys, the locks being 24-keyed and all different in a dozen. The steel shell locks are made with brass shackles, thus avoiding the possibility of rusting, and the workmanship and finish are most excellent. This padlock is intended to meet the requirements of the market for a thoroughly well made wrought padlock, which, while possessing a high degree of security and convenience, can also be offered at a moderate price.

Illustrated Bicycle Novelties.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

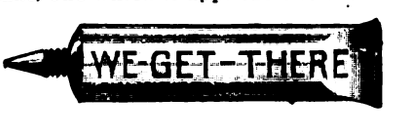
The Rover Carrier.

The Rover Carrier is being placed upon the market by the Unique Mfg. Co., Columbus, Ohio. The illustration herewith given shows the Carrier in use upon the wheel. The makers describe it as well made in every respect, and add: "It is noiseless, dust proof and water proof. There is no metal used in its construction of any kind excepting the buckles on the straps and the eyelet fasteners. It is made wholly of waterproof material and when in use is folded in such a manner as to make it absolutely impossible for dust or water to penetrate and soil the articles you may have within. Is peculiarly adapted to tourists or riders who are in the habit of making short excursions in the country."



"We Get There" Lubricant.

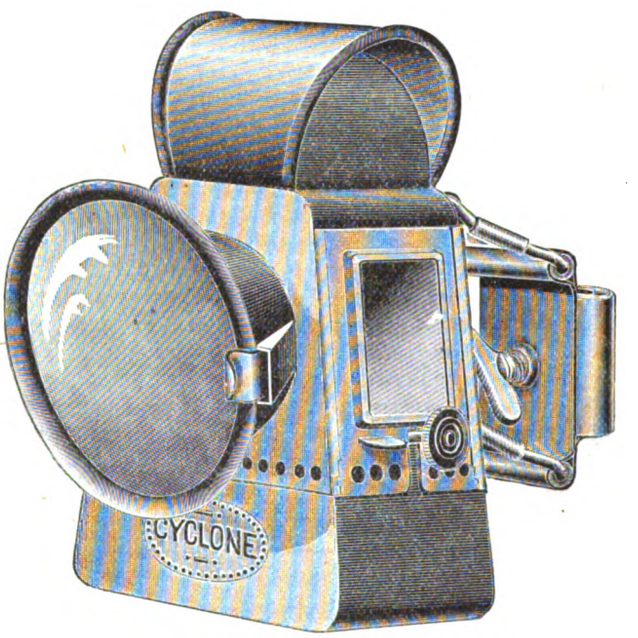
"The success of bicycling as to speed and comfort," says the maker of the above article, "depends in a large measure on a perfect lubricant, one which is applicable to the inside bearings



as well as the chain. The success the past season of 'We Get There' Lubricant is attributed to the fact that it has proved all that is claimed for it. It is the only lubricant which is manufactured expressly for inside bearings and chain, and being free rfom oil, does not gum up or run out, insuring a clean wheel under all conditions of weather. It is not affected by water. It is put up in collapsible tubes, with cone top and screw cap, making a very neat and attractive package which is original with the proprietor and manufacturer, insuring cleanliness in handling, and doing away with the oilers. It prevents a bearing heating, and quickly cools one that has heated. Thomas W. Eck, trainer of John S. Johnson and other fast riders, gives it his unqualified approval, claiming it is the best he ever used. Having used it all this season, the phenomenal riding of Mr. Johnson who has just made a straightaway mile in 1.35 2-5 and the circuit mile in 1.50 3-5, verifies all his trainer claims for it. It is also manufactured expressly for machinery and heavy bearings, also for carriages and wagons; a buggy with an odometer attached has traveled over four hundred miles on one application of the lubricant." For further information and prices to the trade address the proprietor and sole manufacturer, J. Hurd Brown, Box 2002, Boston, Mass.

"Cyclone" Bicycle Lamp.

The Steam Gauge & Lantern Co., Syracuse, N. Y., and Chicago, Ill., are placing upon the market the handsome "Cyclone" Bicycle Lamp here shown. The chief points made in its favor are that it is light, strong and convenient. It is made of first-class materials; five inches high; weighs but eleven ounces; is finished in best black japan; the reservoir is easily removed; the lens is double convex, highly polished; and the spring "so adjusted that the light will not jar on the roughest



road." It is further explained that "the holder frame of the red light on the side of the lamp slips down and locks the oil holder in place; there are no other catches or springs about the lamp except the one to fasten the lens in place when the lamp is opened for lighting." Hardware dealers who handle bicycles can obtain illustrated circular by writing to the company.

Hon. Webster R. Walkley, by invitation of the surviving members of the First New York Volunteer Engineers, delivered the oration at the fourteenth annual reunion, on the evening of October 17th. It is needless to say that Mr. Walkley spoke words of patriotic wisdom, and spoke them well; so well, in fact, that Edward W. Serrell, major-general of the United States Army, who was in command of the Engineers, and presiding officer at the reunion, felt moved to address to the orator an autographic letter, in which he said: "I have frequently, since your address, thought of it, and used as I am to such orations, I must say that it was one of the finest I have heard in a long time."

Bevin Bros. Mfg. Co., East Hampton, Conn., for whom John H. Graham & Co., No. 113 Chambers Street, New York, are general agents, have issued their price list for sleigh bells for the season of 1894-5. The list includes body straps, sheet metal bells, globe sleigh bells, shaft and saddle chimes.

American Screw Co.'s New List.

The American Screw Co., Providence, R. I., have issued, under date of November 1, 1894, a new list of discounts for their Patent Gimlet Pointed Wood Screws, Machine Screws, Bolts, Rivets and miscellaneous goods; also a new price list of rivets and burrs, all of which is herewith published:

PATENT GIMLET POINTED SCREWS (discounts.)

Description.	Disc't.
Wood Screws.	
Iron, Bright Flat Head	85%
" " Round and Oval H'd.	75%
" Blued, Flat Head (add 5 per cent. to net amount of invoice)	85%
Iron, Blued, Round Head	75%
" Fellce, Flat Head	
" Pinched Head	
" Japanned, Flat Head	75%
" " Round Head	70%
" Tinned, Flat Head	75%
" " Round Head	70%
" Lacquered, Flat Head	65%
" " Round Head	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Brass-Plated, Flat Head	65%
" " Round Head	60%
" Copper-Plated, Flat H'd	65%
" " " Round Head	60%
Iron, Nickel-Plated, Flat Head, Burnished	75%
Iron, Nickel-Plated, Round H'd. Burnished	72½%

Descriptive.	Disc't.
Wood Screws.	
Iron, Silver-Plated, Flat Head, Burnished	50%
Iron, Silver-Plated, Round H'd, Burnished	50%
Brass, Flat Head	85%
" Round and Oval Head	75%
" Lacquered, Flat "	65%
" " Round "	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Silver-Plated, Flat Head. Burnished	50%
Brass, Silver-Plated, Round Head, Burnished	50%
Brass, Nickel-Plated, Flat H'd, Burnished	66⅔&8%
Brass, Nickel-Plated, Round Head, Burnished	66⅔&8%
Copper, Flat Head	6 %
" Round Head	10%
Bronze, Flat Head	80%
" Round Head	75%
Phosphor Bronze, Flat Head	60%
" " Round Head	55%
Rogers Drive Screws	87½%

On items where discount is not given, quotations will be submitted on application, stating quantity and assortment required. Terms, cash, 30 days. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds.

MACHINE SCREWS, BOLTS, RIVETS, AND MISCELLANEOUS GOODS (discounts.)

Description.	Disct.
Machine Screws.	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Cap Screws, for Locks, Iron	
Side Knob Screws, Iron	
Taps, for Machine Screws	65%
Tire Bolts,	
Norway Philadelphia	75&10%
Eagle Philadelphia	80&10%
Bay State	70&10%
Sleigh Shoe Bolts	80&10%
Stove Bolts, Flat Head	70%
" " " Annealed	70%
" " Round Head	70%
" " Nickel-Plated	
Stove Rods	70%
Sink Bolts	70%
Pointed Wires	65%
Tapped Nuts	50%

Description.	Disc't.
Norway Rivets.	
Ordinary, in Bulk	65%
Coopers. "	65%
Thousand, "	65%
Thousand, in Papers	65%
Block and Carriage, in Papers of 100	65%
Hame	65%
Belt, with Burrs	65%
Bay State Rivets	75%
Burrs, for Rivets	65%
Coach Screws	85%
Hand Rail Screws	80%
Dowel Screws	
" Pins, Barbed and Plain	
Standard Penny Wire Nails, Steel, Base Price ₰ keg, f.o.b., Providence	
Miscellaneous Wire Nails, Steel 1, 5 and 10 ℔ Packages	85%
25 and 50 ℔ Packages and 100 ℔ Kegs	85%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid: on Rivets and Stove Bolts, on shipments of over 100 pounds, to principal cities on or east of Mississippi River; on other goods, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds.

IRON RIVETS IN BULK.—Price per Pound.

Size.	Length of Rivets.														
	½	1-32	7-16	13-32	⅝	11-32	5-16	9-32	¼	7-32	3-16	5-32	⅛	3-32
7-16	1													
⅜	15	16												
11-32	15	16	16											
5-16	15½	16½	16½	16½	16½									
1	15½	16½	16½	16½	16½	16½								
2	15½	16½	16½	16½	16½	17	17							
3	15½	16	17	17	17	17	18	18	18					
¼	15½	16	17	17	17	17	18	18	18	19	19			
4	15½	17	17	18	18	18	18	18	18	19	19	20		
5	16	17	18	18	18	18	19	20	20	21	21	22	22	23
6	16	17	18	18	19	19	20	20	21	22	23	23	23	24
3-16	16	17	18	18	19	19	0	20	1	22	23	24	25	26
7	16½	18	18	18	19	19	20	20	21	22	23	24	25	26
8	17	18	19	19	20	20	21	21	22	23	24	25	26	27
9	18	19	20	20	21	21	23	23	23	24	25	27	29	30
10	19	20	21	22	23	25	27	28	28	30	33	35	37	38
11	20	22	24	26	27	24	30	31	31	33	37	40	42	45
12	21	24	26	28	29	30	32	34	35	36	41	45	50	55
13	25	27	30	33	34	35	37	39	40	41	45	50	55	60
14	27	30	33	38	40	45	50	52	55	58	58	60	61	65

Rivets made from smaller wire size than No. 14, all lengths, 70 cents per pound. Tinning, 6 cents per pound extra. Extras.—Shoulder Rivets and Pointed Rivets, add 2 cents per pound to list. Net Extras.—Goods packed in 25 pound boxes, 15 cents per 100 pounds. In packages of 10 pounds and smaller 25 cents per 100 pounds.

BLOCK AND CARRIAGE RIVETS.—In Papers of 100 each. Price per Paper.

Size.	Length.													
	½	⅝	¾	⅞	1	1⅛	1¼	1⅜	1¾	2	2¼	2½	3	3½	4
3	21	25	29	32	35	39	43	50	57	64	70	77	89	100	113
¼ in.	21	25	29	32	35	39	43	50	57	64	70	77	89	100	113
4	19	22	25	28	31	34	38	44	50	56	63	69	79	90	101
5	16	18	20	23	25	27	30	35	39	45	50	55	64	74	83
6	13	16	18	20	21	22	24	28	33	37	42	46	55	64	72
7	12	14	15	17	19	20	22	25	28	31	36	39	46	53	69
8	10	11	12	14	15	17	19	21	24	26	30	32	37	42	47

Prices on all Rivets subject to change without notice.

BLACK AND TINNED SWEDES IRON BURRS.—Price per Pound.

	Black.	Tinned.		Black.	Tinned.		Black.	Tinned.
⅝	.23	.29	4	.24	.30	10	.35	.41
11-32	.23	.29	5	.25	.31	11	.36	.42
5-16	.23	.29	6	.28	.34	12	.42	.48
1	.23	.29	3-16	.28	.34	13	.42	.48
2	.23	.29	7	.30	.36	14	.45	.51
3	.23	.29	8	.33	.39			
¼	.23	.29	9	.34	.40			

BLACK AND TINNED IRON RIVETS.—In Papers of 1000 each. Price per Paper.

	Black.	Tinned.		Black.	Tinned.		Black.	Tinned.
8 oz.	.20	.24	2 lb.	.42	.54	8 lb.	1.44	1.92
10 "	.22	.25	2½ "	.50	.69	9 "	1.53	2.07
12 "	.24	.28	3 "	.60	.78	10 "	1.75	2.35
14 "	.26	.30	3½ "	.70	.81	12 "	1.98	2.70
1 lb.	.27	.33	4 "	.76	1.00	14 "	2.31	3.15
1¼ "	.29	.37	5 "	.90	1.20	16 "	2.64	3.60
1½ "	.33	.42	6 "	1.08	1.44			
1¾ "	.37	.48	7 "	1.26	1.68			

Oval or Countersunk Heads, or extra lengths, 5 cents per 1000 in addition to the above prices.

BLACK AND TINNED IRON RIVETS IN BULK.—Price per Pound.

	Black.	Tinned.
8 oz.	.38	.45
10 "	.34	.40
12 "	.31	.37
14 "	.29	.35
1 lb.	.24	.32
1¼ "	.23	.29
1½ "	.22	.28
1¾ "	.21	.27
2 "	.20	.26
2½ "	.20	.26
3 "	.19	.25
3½ "	.19	.25
4 "	.18	.24
5 "	.17	.23
6 "	.17	.23
7 "	.17	.23
8 "	.17	.23
9 "	.14	.22
10 "	.16	.22
12 "	.15½	.21½

Barrel Rivets

	Black.	Tinned.
14 oz.	.15½	.21½
16 "	.15½	.21½

COOPERS' RIVETS.—Price per Pound.

1d	2d	3d	4d	5d	6d
16½	16	15½	15½	15½	15

HAME RIVETS.—Price per Pound.

½ in.	6	3-16	7	8
and longer.	16	16	16½	17

TRUNK RIVETS.—TINNED IRON.—Price per Pound.

Size.	½	7-16	⅜	5-16	¼
9	24	25	26	27	27

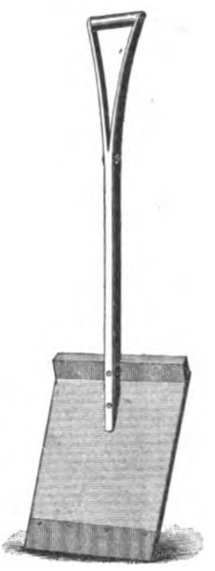
TINNED BELT RIVETS AND BURRS.—Price per Pound. Any length.

	7	8	9	10	11	12	13
1 lb. Boxes.	27	28	29	30	31	38	39
½ lb. Boxes,	29	30	31	32	33	38	40

Any of the above sizes, Tinned and not specified, 6 cents per pound advance on above prices.

The "Saugatuck" Snow Shovel.

Underhill, Clinch & Co., New York, are selling a new Snow Shovel for which they are agents. It is called the "Saugatuck" and "while it embraces all the good points of similar styles it has some advantages. Instead of having a malleable iron tip it has a heavy steel tip. A strip of sheet steel across the back not only strengthens it but prevents the wood from wearing quickly. The handle is bolted by two bolts to the blade." They claim it to be "the best made and strongest shovel on the market."



Mr. Daly Returns.

Charles Daly, of Schoverling, Daly & Gales, New York, arrived home after a brief trip in Europe on the steamer *Paris*, November 3rd. While abroad he visited all the principal cities of England, France, Belgium and other countries. Speaking particularly of the gun trade, Mr. Daly said it had been dull, and was yet so, but it was slowly picking up and getting better. Some good orders had been received from Australia and there was some trade with America. Wages are very low, the workman eating his bread without butter figuratively, but as prices of goods were advancing, it is thought that some improvement in this direction would soon be reached. The gun trade in France has improved by reason of the new tariff which has been imposed by that country against Germany and Belgium. Mr. Daly was absent about six weeks, and is much pleased with his trip in the way of the information which it has given him.

E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce upon page 43 of this issue, a large, special and unreserved trade sale of cutlery on Tuesday and Wednesday, November 13th and 14th, comprising articles of especial value for Thanksgivings and the holiday trade; and in addition a choice line of fine quadruple silver ware; two thousand pair of Winslow's American club skates, etc., etc. All the details will be found upon the page referred to.

W. C. Heller & Co., manufacturers of the Heller Mail Boxes and Grip Wire Stretcher, Montclair, N. J., report that business is picking up very materially, and that they are looking for a large trade during the coming season,

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Bicycles For 1895.

WHAT THE MAKERS SAY AS TO OUTPUT, IMPROVEMENTS AND PRICES.

A VARIETY OF ANNOUNCEMENTS, OPINIONS AND CHANGES.—INFORMATION OF VALUE TO THE HARDWARE TRADE.

In order that the Hardwaremen of the country may learn as early as possible in regard to the output, prices, etc., of the bicycle manufacturers for 1895, HARDWARE has opened correspondence with the leading concerns of the country, some of whom announce that they are not yet ready to furnish the information desired. We take pleasure, however, in herewith submitting considerable information of value upon a subject which certainly must be of interest to the Hardware trade.

POPE MFG. CO. AND PRICES.

The Pope Mfg. Co., Boston, Hartford, New York and Chicago, have named the following scale of prices for their bicycles for 1895: Columbias, $100; Hartfords, $80; Men's Wizard, $60; Boys' Wizard, $50. With the Columbias an option will be given to the purchaser of the Dunlop tire, if he prefer. It is understood that in this reduction the company will allow of no deterioration in the quality of their goods, the new prices being because improvements in the manufacture allow of greater economy in the cost of production. The Pope Co. are at present moving their offices from Boston to Hartford, Conn.

YOST MFG. CO. ON HARDWAREMEN AND WHEELS.

Yost Mfg. Co., Toledo, Ohio. In answer to an inquiry from HARDWARE as to their plans for the coming year, this company say: "We are particularly desirous of securing the Hardware trade, and we believe that it is the natural channel for wheels. The majority of our customers are Hardwaremen, and in every instance we believe that the account is satisfactory, both to them and ourselves. From our knowledge of the Hardware trade we believe there is no specialty which they are, or can handle, that is affording them as great profits as the bicycle department. The only thing that surprises us is that there are a number of the representative dealers who have not given the bicycle business their consideration, and have not placed themselves in position to supply the large popular demands that have been created in bicycles."

THE WINTON CO.

Winton Bicycle Co., Cleveland, Ohio.: "Our line for 1895 will comprise seven new models to be known as Nos. 8, 9, 10, 11, 12, 14 and 15. Frames will be made in five different heights, with two lengths of heads. Our new racers will be the most rigid wheels of their class, and will weigh 16 and 17 pounds, according to the height of frame and weights of tires. The new light roadsters will weigh 20 and 21 pounds, with full roadsters at 24 and 25 pounds. Our Ladies' Wheel (No. 15) is an entirely new wheel, very attractive in appearance and weighing all on, 23 pounds. By a new method of attaching the cranks and sprocket wheel, we are enabled to bring the tread down to 5¼ inches on all of the new models, without narrowing the crank bearings. This new way of attaching the cranks is stronger and more durable, besides being much easier to attach or detach. By tapering the bottom braces and the diagonal brace through the frame, the strength of the frame is materially increased, as is also the general beauty of the 'Winton' lines. No expense has been spared to bring our '95 models up to the very highest standard of excellence."

PRICES FROM ROCHESTER.

Rochester Cycle Mfg. Co., Rochester, N. Y.: "We beg to acknowledge receipt of your valued letter of the 2d inst. In reply to your request for our views on the subject of next season's prices, it has not been customary with our company to come to any hurried conclusions upon so important a subject as this, but it is no doubt of special interest for this season that prices should become known as early as possible, in order that the trade may adjust itself to any changes that may occur. Appreciating the fact that your paper is taking an active interest in the subject of Bicycles, we write you as promptly as possible as soon as making up our minds upon the subject. To begin with, there has been and is a growing demand for a substantial first-class modern light Bicycle, at a price that comes within the reach of the average man's pocketbook—we mean the multitude of riders who want something in a modern up-to-date light wheel at a very moderate cost. There have been a number of these machines in previous years upon the market, which were listed at the highest grade price, which have came unfairly in competition with more expensive wheels, which were in reality better value from the fact that they were standard high grade goods. We shall bring out a wheel weighing 25 pounds which will be first-class and warranted, to meet this trade, and place the list at $75 each. In addition to this machine we shall place upon the market the regular highest grade Rochester which will contain all the attributes of excellency that it is possible to combine with improvements up to the present day. This wheel will weigh about 22 pounds, and list at $100. In addition we shall make a special Rochester Track Racer, which will be made extra light, and list at $125. We feel that in placing our prices at these popular rates, and adhering to our established reputation in quality, that the large number of increased sales, and the natural reduction in the cost of our materials, will protect us against loss in profits. In placing the vehicle in reach of the multitude, it will largely tend to increase the popularity of bicycling everywhere."

A RUBBER CUSHIONED WHEEL.

A. McIntosh Williamson, No. 2204 Fitzwater Street, Philadelphia, Pa., has issued a neat little book illustrating and describing Williamson's Rubber Cushioned Wheel, which he refers to as possessing originality, practicability, efficiency and utility. In describing it in detail, he adds: "It is a wheel which is constructed on scientific principles, being cushioned on the spokes and in the rims with Para rubber, as pure as it can be used, instead of an outside tire, thus giving same freedom from jar and concussion, and having a number of other prominent features to recommend it, at a much less cost, and with a greater length of life to the wheel."

WILL STILL DISTRIBUTE.

A. W. Gump & Co., Dayton, Ohio: "Replying to your letter of November 2d, would say that we shall still continue exclusive distributing agents of Crescent Bicycles in Ohio, Kentucky, Tennessee and West Virginia, as heretofore. Besides the above, we will also continue to buy up entire stocks of manufacturers, which we sell all over the United States."

CONCERNING HICKORY WHEELS.

Hickory Wheel Co., South Framingham, Mass.: "Answering yours, would say that we are not in a position to say anything concerning the plans of this company for next year, beyond the fact that probably we will not manufacture Hickory bicycles."

AGAINST REDUCED PRICES.

The Queen City City Cycle Co., Buffalo, N. Y., state that it is their firm conviction that the list price of bicycles cannot be further reduced without a reduction in quality. They say: "It is very true that there are many qualities of bicycles placed upon the market at the present time at the same list price, but this is true in every business. What we refer to is the standard high grade bicycle; we are therefore not in favor of any further reduction. We prefer to keep our quality thoroughly up to our high grade standard, and know that we cannot do this in justice to ourselves, our jobbers and our retail dealers without reducing quality."

The Phillips Wheel Co., Rochester, N. Y., state that as manufacturers of a high grade of bicycles, they shall endeavor to keep their prices up to the present standard. They explain this position by the statement that: "A cut in prices means putting high grade machines in competition with the many poor wheels which now flood the market. Many people cannot tell the difference between a high and a low grade machine. The latter can be nickeled and enameled to look very fine indeed."

The Williamsport Bicycle & Mfg. Co., Williamsport, Pa., say that their prices will remain the same no matter what cuts may be made in other directions. They add: "We turn out a strictly high grade wheel at a list price of $85 for a plain wheel, a highly finished complete wheel with all accessories at a list price of $100."

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GRAND RAPIDS CYCLE CO. ANNOUNCEMENT.

Grand Rapids Cycle Co, Grand Rapids, M ch.: "It has been the policy of this company to sell our goods at net prices, which would warrant a reasonable profit, and allow our dealers the same freedom and liberty in conducting their business that we ourselves enjoy. We manufacture as good a wheel as we can make, without any fancy expenditures in the way of patents and costly experiments, confining ourselves to a plain, well-built, business bicycle, built for business. We sell our product for cash, thus doing away with the heavy losses, met with by most manufacturers, from irresponsible dealers. We sell our goods to the dealer only. We will not quote prices, under any circumstances, to irresponsible, curbstone agents. We prefer the local Hardware dealers to the jobbing trade, and our Clippers will be sold to this trade only. We were the original manufacturers of high frame bicycles. The patterns, which will be so commonly used in 1895, are exact counterparts of our 1894 lines."

In a later letter, covering the question in detail, the Grand Rapids Cycle Co. say: "Your idea in publishing this information is a good one, and you will find that it will do a vast amount of good, for the very reason that it will be read by every Hardwareman who is contemplating handling bicycles. As the Hardware trade may, eventually, take up wheels, and as the manufacturers of bicycles will, sooner or later, realize that the Hardware trade is their most available, and at the same time best, source for the outlet of their products, we feel reasonably sure that bicycle manufacturers must cater to this trade through the columns of journals which go to it. We believe that the press, and the trade at large interested in this industry, should use their influence with manufacturers and induce them, if possible, to keep the list price up, and conform their methods of doing business to that of the Hardware trade, which is an older and very firmly established business. Bicycle makers, certainly, cannot expect to reorganize the Hardware business. We have long since arrived at the conclusion that we would prefer to conduct our business on Hardware lines, and are bringing about this state of affairs as rapidly as we can consistently. We shall, therefore, list our wheels at $100 and $125, thus making it possible for our customers to get a good price for the wheels, if they are in a locality which they control, and where they can get any price for the goods which they may fix.

"Our net prices will be low, considering the quality of the goods, which we intend to, and have been, furnishing; in other words, we are making a bicycle that will compete with any wheel on the market, but we are selling at a legitimate profit to us, preferring to make our prices low, keep our expenses down, and thus realize a reasonable profit on our investments. We do not intend that any maker shall excel us in material, workmanship, design, style or finish. The members of this firm have been in the bicycle business a good many years, and they believe they know what the trade wants, and are capable of producing bicycles, which will be strictly up-to-date in every detail. Our past year's experience has convinced us that we are right in these beliefs.

"Our No. 20, a new wheel which is strictly high grade in every detail, weighs from 26 to 29 pounds, actual scale weight, and by the fitting with lighter tires, saddles and pedals, this weight may be reduced from ½ to 2 pounds. This wheel is made of Shelby tubing, which we have found, after a careful test of the various tubings, to be equal to any foreign tubing at the same weight. In some respects it is superior.

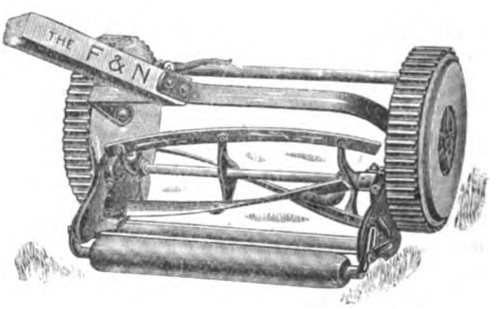
"We use a solid forged fork crown, oval in pattern, and fitted to flat sides, which taper from 1 inch to ⅝, and is reinforced by a method of our own, using blades of sheet steel, that add very little to weight, but increase the strength about 200 per cent. over and above any other reinforcement we have ever tested. The rear forks are reinforced in the same manner, as are also the seat mast and lower rail. The rear forks are ¾-inch tubing, tapered to ⅝. The crank hanger is what is known as the barrel bracket, which allows of as narrow a tread as is safe or advisable. We use tool steel bearing cones, tempered in oil, and drawn to a straw color. We will guarantee these cones to be equal to any ever put into a bicycle, and superior to most of them. We will replace, free of charge, any cone which shows wear in the least. Our bearings are absolutely dust proof. We guarantee this. They have been successfully used during the past year, and we have yet to find a single customer who has complained of them. We are using very large tubing of thin gauge, having found the same weights in large tubing to be stronger and less liable to crystalize from vibration. We shall use a pedal of our own make. It is the only dust-proof-at-both-ends pedal we have ever seen.

"Our ladies' Model B is the same wheel in material and workmanship, but built for ladies' use only, and will sell at the same price. In addition to these two wheels, we shall continue to make our No. 24, and will also build a Light Roadster, which weighs from 19 to 22 pounds. These we will make but few of, as we anticipate the great demand to be on our No. 20 and Model B. We sell our product on, practically, a cash basis, as we allow a cash discount sufficiently large to warrant our customers in availing themselves of this discount. By this method we avoid the heavy losses which most other manufacturers meet with, owing to their eagerness to sell goods to everybody, responsible or irresponsible alike. Our losses during the season of 1894 amounted to less than 40 cents per wheel, and as our appropriation for advertising is limited to $1.50 per wheel, you can readily see we are in a position to not only meet any competition that may come our way, but to lead nearly every manufacturer in the business, so far as low prices are concerned, and still realize a living profit."

The League Bicycle Co., Hartford, Conn., say: "We cannot afford to make our wheels for less than $125, and at the same time give the cyclists the benefit of the finest material and first-class workmanship. We consider it of the utmost importance to both rider and manufacturer that the price of $125 be maintained for the season of 1895. We do this regardless of what other manufacturers may do, as every machine that the League Cycle Co. turns out is a special cycle entirely different from other lines."

Improved Lawn Mowers for 1895.

We have much pleasure in calling the attention of the trade to the line of improved lawn mowers of 1895, now being sent out by the F. & N. Mfg. Co. of Richmond, Ind. Thorough appreciation of the wants of customers and the production of a strictly first-class article have resulted in drawing to this firm a large and increasing patronage. In spite of the business depression which has affected almost every line of manufacturing, this firm have received flattering assurances for the coming season's business, orders having been already placed from England and other European countries, Canada, Australia and the Cape Colonies, while the prospects for the American trade



are most encouraging. They inform us that the lawn mowers for 1895 "possess many points of superiority over last season's samples, among which may be mentioned an oil-tempered tool steel cutter-bar, which with the combined spiral and shear cut reel, makes an ideal cutter. The machines are also fitted with a Micrometer Adjustment, a novel and exceedingly meritorious contrivance for which letters patent have been secured, and the reel shaft bearings are made of phosphor Bronze, which is generally acknowledged to be the best material for durability and ease in operation. These improvements, combined with the heavy grass attachment, housed ratchet and other economical devices, together with lightness, durability, and positive action place these mowers in the front rank."

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American Expositions in South America.

There is a movement on foot looking to the establishment of expositions of American manufactures, under American auspices, in the South American republics. The suggestion comes to our hand in the form of a letter written by Thos. P. Egan, president of the J. A. Fay & Egan Co., Cincinnati, Ohio, to the president of the Manufacturers' Association of Cincinnati and Hamilton County, Ohio. In that letter Mr. Egan says:

"The plan is to organize the manufacturers of the United States into a compact body, so that there will be some organization. The interest of the manufacturers is the advancement of their trade with all the nations of the earth, and we expect to accomplish the following:

"First—The renewal of the reciprocity treaties between the United States and all foreign countries, which treaties were rescinded by the recent Wilson or Gorman tariff bill.

"Second—To hold World's Fairs, or United States expositions in the Capital of each South American country; the first exposition to be held in the City of Mexico, not later than 1897.

"Third—To devise ways and means to better and facilitate trade with our South American cousins.

"These, of course, are only some of the points to be taken up. Your Manufacturers' Association being an organized local body, and right in line for handling this business, and being a member of your organization, I thought best to submit the matter to you, and suggest that your organization call a special meeting of the manufacturers, so as to start the enterprise. Part of this plan, viz.: the holding of a Mexican exposition under the patronage of President Diaz, originated with 'Dixie,' of Atlanta, Ga., and a committee of manufacturers of Cincinnati, who decided that as Cincinnati is very central, and easily gotten to from north, south, east and west, the convention will be held there."

The further progress of this movement will be watched with interest by the manufacturers of America.

A Simmons Co. Club.

It is reported that E. C. Simmons, president of the Simmons Hardware Co., has decided to carry out the plan for making a club house of his old residence, No. 2927 Olive Street, for his employees. It is said that Mr. Simmons has issued a circular to his clerks, calling for suggestions as to the best methods of conducting the club and asking those who wish to, to send in their names as members. It is understood that there is no compulsion in the matter, and only those who desire will become members.

Mr. Simmons, in his usual modest way, declined to discuss his philanthropic scheme to a *Republic* reporter, and said that no details had as yet been arranged. He admitted that the establishment of the club was a certainty, but desired to avoid as much publicity of his personal plans as possible.

Mr. Simmons has recently been appointed lay reader for St. James' Episcopal Church, the pulpit of which was left vacant by Rev. P. W. Fauntleroy, who accepted the pastorate of Mount Calvary Church. He was the lay reader of the Advent Church for a long time while that church was without a rector, and has been a vestryman in the Church of the Holy Communion for a number of years.

Mr. Simmons has always been active in church work, and is recognized as a leader among the workers in the Episcopal Church, and his new plan is in line with his progressive ideas.—*St. Louis Republic.*

American Tool Co.'s Tool Chests.

The American Tool Co., No. 200 West Houston Street, New York, are making a greater variety of styles of Tool Chests, as is claimed, than was ever before offered by an other manufacturer. The tools placed in them are all of warranted steel, the chests being made with either patent locked or hand dovetailed corners, and from selected hard wood, oiled and nicely varnished and well finished to suit the wants of all trades. The company carry a full line of youths', gentlemen's, carpenters' and machinists' empty Tool Chests, the latter being adapted to the wants of dealers in machinists', railway and telegraphic supplies. A very desirable line of housekeepers Tool Chests is also carried. Again, there are special chests adapted to the wants of the toy, notion, dollar and variety trades, fitted up in any quantity to suit the largest buyers.

The range of prices will give an illustration of the variety carried. Chests can be bought as low as three dollars per dozen, and some cost in the carpenters' line as high as $266 each. This latter chest is made of superior quality, and well seasoned and extra heavy chestnut and black walnut woods, elegantly finished in oil and varnish, neat and extra strong hand dove-tailed corners, extra heavy and ornamented bands and bases, with four inside extra large sliding drawers and partitions, bit, saw and plane racks and slide. This chest has extra strong and heavy folding surface handles and hinges, with double link spring tumbler lock. It contains 283 extra quality assorted tools. Such is the description of a tool chest of the present day; but not much in request, as the great variety of cheaper chests suits the needs of most persons.

Magnolia Metal Co.'s Successful Injunction Suit.

Judge Lacombe, of the United States Circuit Court, granted, on October 29, 1894, the Magnolia Metal Co. an immediate injunction against the Nassau Smelting Co., of New York City, composed of Benjamin and Moses Lowenstein, restraining them from selling a metal called the Mongolia Metal, which they have been assiduously offering in the New York market and elsewhere, claiming it to be the same as Magnolia Metal and confusing the trade very generally with the similarity of the names.

The Magnolia Metal Co. inform us that they will prosecute anyone to the full extent of the law, who infringes in the slightest degree on their patent or trade mark rights.

Benjamin O. Dana.

Benjamin O. Dana, a well-known and prominent resident of South Boston, Mass., died at his residence some evenings since after a short illness. He was one of the best known Hardware dealers of that city, and was for a number of years president of the Dana Hardware Co. He was born in South Boston, and always took an active interest in matters pertaining to the district. At the time of his death he was thirty-four years of age.

"A Bit of News" is the heading of a leaflet received from the Monarch Stove Co., Mansfield, Ohio, upon which the following information appears: "On the 19th day of September, the ownership of the business pertaining to the manufacture and sale of 'Monarch' Gas and Vapor Stoves, heretofore conducted by the Baxter Stove Co., changed hands and became the exclusive property of Emmet C., Berry A. and Edwin D. Baxter, the new firm to be known as the Monarch Stove Co. This step was found to be necessary in order to give to the 'Monarch' business the undivided attention which its rapid and extensive growth peremptorily demanded."

F. E. Myers & Bro., Ashland, Ohio, have just completed a brick addition to their already extensive factory. The new building is 50x175 feet, and three stories high. It will be completely equipped with the best machinery on the market. This new building, with other improvements in their plant, will increase their capacity about one-third.

At a meeting of the manufacturers of sledges and heavy hammers, held last month, it was decided to advance prices, the new discount being 70&10 per cent. There are three manufacturers in this line in the country, and it is believed that the advance can be maintained.

We acknowledge the receipt of a little book entitled "Accurate Tables of Diameters, Areas, Weights, etc., of Cold Drawn Seamless Steel Tubing." Calculated and published by O. J. Edwards, Ellwood City, Pa.

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Review of the Markets.

Money: The event of the past fortnight has been the death of the Emperor of Russia, and while this was expected to seriously affect the markets of the world, on account of the complications that might arise upon the accession to the throne of a warlike successor, the event was received with equanimity. The peace of Europe is hardly in danger for some time to come. Money remains plentiful, with little demand for either call or time funds. Gold shipments seem to have ceased, our exports of produce, cotton and manufactures being in good quantities. Sterling exchange, however, is held at figures which are very near the exporting point.

In a general way the election has restricted business, but the volume has been very satisfactory, commission men reporting a large amount of mail orders, more so than for a year past. There is some feeling that the result of the elections will improve confidence in the future.

In heavy Hardware there is a good business for this season of the year. In Strap and T Hinges the manufacturers report a very fair business, and it is well distributed, which reflects a healthy state of affairs.

In shot, the market is quiet and unchanged, dealers taking small lots, and meeting only requirements.

The market for India Rubber is somewhat restricted in volume, but values are firm. There is a good demand for manufactured goods for the season of the year.

Window Glass for some time past seems to have been fairly demoralized. Prices have advanced on the other side, and the domestic manufacturers have cut down wages, both factors operating to cut away the market from under the feet of the importer. The agreement made among the importers has met with the inevitable, for as is usual in such cases, the backslider has cut prices secretly, until all have joined in a war of prices. This demoralization has extended to the domestic glass market.

In paints, the business has been very fair, notwithstanding the absorbing character of the active political contest. There is considerable painting going on, consequently there is a good demand for mixed paints and colors in oil. White Lead is slow of sale, but reported steady. Red Lead is in good demand. In Litharge there is an improved demand from the glass trade. Putty is active, manufacturers being busy. Glues are in moderate request, with steady prices.

Metals: Business is very quiet. In finished material there is a small demand at very low prices. Quotations are for No. 1 Foundry, $12@$13; No. 2 Foundry, $11@$12; Grey Forge, $10@$11; Southern No. 1, Foundry, $11.50@$12.50; No. 2, $10@$11.

Pig tin is weak in tone, with lower prices. Copper is strong, with rumors of large deals between consumers and producers. For Lead there is little demand, consumers only buying from hand to mouth. Spelter is firmer, the supply being light. Antimony is quiet. Tin-plate is quiet, with an everyday demand.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ lb....	11
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10½
Anchor Rolling.....	10½
Baltimore Rolling.....	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 3⅛ inches, incl...17c. ₩ lb	
Over 3⅛ to 5 " " ....18c. "	
Square and Hexagon Rods, 1c. ₩ lb extra.	
Tobin Bronze—Piston Rods.	
¼ to 3⅛ inches, inclusive..18c. "	
Over 3⅛ to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ lb....	8¼
Cookson's.....	10
Lead.	
Foreign.....₩ lb....nominal.	
Domestic.....	3½@3¾
Spelter.	
Foreign.....₩ lb....	4¼
Western, common.....	4@4¼
Zinc.	
Sheet, cask.....₩ lb.....	4¾@5
Tin.	
Straits, 10 ton lots, spot ₩ lb	15
Straits, stere lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4⅛
Bessemer do.	4.85
Charcoal Tins:	
Melyn grade, 14x20 IC....	5⅛
Each X $1.50.....	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4¾
Do 20x28.....	9.25
M. F., 14x20.....	4⅛
Do 20x28.....	18.00
Dean, 14x20.....	4¼
Do 20x28.....	9.00
D. R. D. grade, 14x20.....	4¼
Do 20x28.....	8½

Nails: In Wire Nails the volume of business continues very satisfactory, some large orders having been given within the past fortnight. At the Western mills a quotation of 95 cents is given and out of store in New York $1.20@$1.25. In Cut Nails the market has a fair tone on a basis of 90 cents for carload lots in New York. The Barb Wire market is dull, with some demand for future delivery. Prices for carload lots at Pittsburg are $1 95.

The manufacturers of shovels are not in accord with each other, and consequently prices have receded considerably within the past fortnight.

The manufacturers of hammers at a recent meeting agreed to advance the prices twenty-five per cent. As there are few of these manufacturers, it is to be presumed that there will be little difficulty in maintaining the new list.

There has been little change in the prices of cutlery since the new tariff went into effect. The competition that existed before had adjusted prices in such a way as to leave little chance for any other laws than those of supply and demand to act. In razors there has been some decline in prices, but not to any great extent. The trade in scissors goes on in an even sort of way.

Clapp & Co., bankers and brokers, New York, in their last weekly market letter, speak as follows of the financial outlook: "Natural resources, physical energy and mental ability of the American people continue to receive expression through the ballot. The effort to create poverty in the midst of surplus products may now give way to a rising tide of prosperity. The latest re-appraisal of manhood may be extended to other values. From 1860 to 1893 inclusive, the population of the United States increased 113%, money in circulation increased 268½%, foreign trade 149%, public debt net 1000%. Production increased to 18 billion dollars annually, and wealth to 64 billion, total consumption equalling 90% of production. During the same time domestic pig iron decreased 36%; coal, 28½%; cotton, 30%, its product, 33½%, and wool decreased 49%; farm animals increased in number 81%, and their total value January 1, 1894, including the field crops of previous year, were estimated at 5½ billion dollars, or an average of about $1500 for each of the five million farms. Three thousand seven hundred and fifty-five National banks, October 2nd, reported to Comptroller Eckels, individual deposits $1,728,418,819, against $1,765,422,988 on September 30, 1892; loans and discounts, $1,991,874,273, against $2,153,498,829; lawful money, $402,894,712. Judging from the recent election, 'A part of the people can be fooled all the time, but all the people cannot be fooled all the time.' We look for more activity and changes in the general market."

THE CLEVELAND TRADE.

It is difficult to write anything that is of particular interest to the trade at the present time.

The excitement attending the approaching election, doubtless has greater or less effect upon the volume of business, and we have found it without any particular life, although the improvement over 1893 which commenced in August has continued in about the same proportion up until date. Values have sustained such a large shrinkage that the volume of business is necessarily very much less in dollars and cents, than what would be considered a normal business. If such shrinkage is to continue, or such low values rule indefinitely, there will be only one solution of the problem which confronts all business men and that will be a further reduction of incomes to employees, and a general reduction of expenses all along the line.

We sincerely hope that no such necessity will arise, but that when trade opens in the spring, there may be such a decided improvement that everybody will be satisfied. In the meantime, it behooves everyone in business to encourage his neighbor, and to hope for better conditions soon. We cannot chronicle any marked demand for any special articles.

Orders received are very small and very numerous, and jobbers are kept fully as busy as is the case when they were doing a very large business. Collections are very satisfactory, which is the one bright spot in the situation.

THE MCINTOSH-HUNTINGTON CO.

THE MINNEAPOLIS TRADE.

During the first two weeks of October business increased quite materially, and the outlook seemed encouraging, but during the last two weeks the approaching election was the all-

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absorbing topic throughout the Northwest, and business has suffered in consequence. By the time this is in print the election will be over and we shall know what the future has in store for us. We firmly believe that the improvement will be much more rapid if the Republican party are successful generally, so that they have control of the House and Senate, but should we be unfortunate enough to elect a Populist Governor in this State, we are sure that Eastern money will be drawn out as soon as possible, and as the Northwest as a whole is a large borrower, it would affect all of our citizens directly or indirectly.

With the extreme low price of wheat farmers are not having a very easy time, especially those who have mortgages on their farms and machinery. A bushel of wheat will buy nearly as much to-day as ever, but it will not go as far towards paying the old debt. Diversified farming is being preached by many of our leading newspapers, and we hope good results may come from it. The saw mills are all practically closed down now after a large season's cut of about 500,000,000 feet. The flour mills are still running full and making large shipments as is usual before the close of lake navigation. An effort is being made to shut down all the leading mills in the country as there is an over production, but it is hardly likely that this effort will be successful.

While this has been considered a very dull year in building circles, still, as a person drives about the city, he will be surprised to see the large number of houses, and flats in particular, that have been erected during the year. While rents have been reduced somewhat, there are very few vacant houses. There are only two first-class stores without tenants on Nicollet Avenue, our principal business street. All things considered, it would seem that we have passed through the panic as well or better than almost any city of the size in the country.

The loggers are busy sending men, teams and supplies into the burnt district where the logs will have to be cut this winter, or they will be worthless if left for another season.

We shall all be glad when our books for the year 1894 are balanced, and hope the year to come will show better results.

W. K. MORISON & CO.

THE LOUISVILLE TRADE.

The slight improvement noted in our last letter continues, and has become more marked during the past week. Orders continue small, but their number increases daily, and the variety of articles called for would seem to indicate a quickening of the trade pulse. This, when we consider the excitement attending the election, which tends to divert the average citizen's mind from industrial to political channels, leads us to hope that the worst is over, and that the improvement indicated is but the precursor of returning confidence, which, in our estimation is absolutely essential to a prosperous trade.

When stocks of goods have dwindled to skeleton proportions, as is now the case outside of the large distribution points, and even the uninitiated can see that ruling prices permit exceedingly small, if any, profit to the manufacturer, and knowing that prices of most goods in our line are lower than ever before known or dreamt of, is it not reasonable to suppose that common sense and good judgment will impel dealers to carry fair stocks now when doing so costs so little?

We do not look for high prices, but deem reasonable advances over the present scales inevitable when a fair demand sets in.

Bars, hoops and sheets remain unchanged. The same may be said of cut and wire nails. Some bolt manufacturers seem to have waked to a realization that they were too liberal in the amount of discounts offered, and have made curtailments accordingly.

We have heard of conferences between the bar mills, the wire and wire nail men, and even the cut nail makers, with a view of "pooling," "associating" or "agreeing" in order to end the harassing competition now pursued. We see no objection to such a course if properly carried out; in fact, we think it is nobody's business but their own. These industries ought to be conducted in the interest of the owners, and should furnish fair returns for capital invested. And when this result is not attained the fault often rests with their sales department. Everything being equal, John Doe should get as much for his goods as Richard Roe.

A certain quantity only of goods will be consumed in a given time, and a reduction of a dollar a ton now, will not cause more to be used. Assuming such to be the case, and knowing that his competitor will fight to hold his trade, it strikes us that John Doe displays neither ability nor discretion, when, in times like these he goes to Richard Roe's customer, and offers him lower prices than the latter does. A fight is inaugurated to the detriment of both manufacturers and the advantage of the buyer, and the damage is not restricted to Doe and Roe, but spreads broadcast, to the great injury of that particular line.

These comments will apply to representatives of the jobbers as well as the manufacturers.

In the absence of a decline, and assuming that goods have been purchased by your competitor at lowest market rates, there is no excuse for cutting his price; it is a confession of inferiority and provokes retaliation, which does harm all around. What we want now is a better feeling and better prices, and as everything here below must have an end, we are looking for a change in the other direction.

Our collections have been good, and we have heard very little "squealing" on money matters. This is no surprise, when the excessive cautious policy now pursued by buyers is considered. We have information that many small tenant farmers in the cotton section are discouraged by the low price the great staple is bringing, and will abandon its culture next season. This means more food products and less cotton, and will, we think, be of great advantage to that section.

We hear of immense enterprises and large investments being contemplated South of here in the near future.

We suspect the elections have been the cause of these reports, and do not imagine there is anything more substantial than wind back of them.

THE TODD-DONIGAN IRON CO.

THE DAVENPORT TRADE.

There is an unusually large demand for barb wire, wire nails and window glass at present. Hand sleds are beginning to move slowly and trade in tin and terne plates is above the average for this season of the year.

Large stocks of forks, rakes, scythes, scythe snaths and fork handles are being carried over; the cost of this line will be less the coming season, making it doubly uncomfortable for the unfortunate. We claim for Iowa the largest manufactory of these goods in this country.

The Battendorf Metal Wheel Co. works were burned on the 30th ulto.; loss in excess of insurance, twenty to twenty-five thousand dollars. They will be rebuilt.

L. H. Nutting, of this city, a member of our company, has invented, and will soon place on the market for sale, an automatic scale which will be appreciated by the Hardware trade and also by the importers and jobbers and manufacturers of goods sold in small packages.

Water will soon be let into the Hennepin Canal, giving us access to and cheap transportation from extensive coal fields in Illinois hitherto monopolized by railroads and railroad interests.

SICKELS, PRESTON & NUTTING CO.

THE PHILADELPHIA TRADE.

It is frequently the case in reading Old World papers to see references made of separating Church and State, and while we are sorry to say this is not the question to cause an immediate concern in this country, we wish it were possible to divorce business from politics. The two should not be connected in any way, and it is hard to see why the hard-working business world should not be allowed to go on in its own way, and do business in its manner without being subjected to the constant interference of political questions.

The tariff agitation is a case in point, and just now, we have been experiencing the customary election law in business. It is always the case that for a week or ten days previous to an election business slackens, only to pick up after the smoke of the election has cleared away, and matters are on a stable basis for another year.

This letter is written on Wednesday, the 7th, and we have

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just received the news of the election of Tuesday, showing a wonderful change in the temperament of the American public since the memorable election of two years ago. It is now to be hoped that the election of yesterday will permanently settle the tariff agitation for some time to come, and we think that almost all business men, no matter what their political faith may be, will agree with us in asking: "Let us have peace." With this certainty, business should now begin to improve and it is to be hoped that prices will stiffen so that manufacturers, jobbers and dealers may purchase with some certainty in the future.

There have been very few changes in prices since our last letter. The market is in the waiting state, and manufacturers are strongly inclined to advance prices at the earliest possible date. Rivets advanced on the first of the month about 20 per cent., and there is talk of advances in other lines of goods which are very near the raw material.

It is a pleasure to say that sales show an increasing variety of goods, and tools are once more in demand, apparently showing that mechanics are once more earning wages, and if so, better times must prevail. BIDDLE HARDWARE CO.

THE BALTIMORE TRADE.

There is little new to report since our last letter. Business still continues very good (no rush of course), but just a steady in-coming of orders and a consequent output of stock. The goods for the most part are seasonable, with an occasional assortment of winter goods.

The month of October presented some very pleasant surprises, both in the volume of business done and in the steady demand which characterized the business throughout that period. So far, November possesses the same features. Even the elections, with all their attendant distractions in the way of torchlight processions and campaign oratory, have had but little effect this year in stopping the wheels of trade. The politicians seem to have lost their power either for good or evil. The sincerity of their political pledges—the security of their party platforms, are too well-known to the business community to be any longer trusted. The last Congress gave unmistakable evidence of this, and the result of last Tuesday's election is nothing more than a case of retributative justice. The American public still hold the balance of power in their own hands. It is to be hoped that this politico-tidal wave will sweep with it those recreant representatives who abused the trust reposed in them.

The opening of the ducking season along the Susquehanna has largely increased the sale of loaded shells and ammunition. Taken throughout, the gun department of our business has been very satisfactory. Other goods finding ready sale just now are husking gloves and pins, lanterns and lantern globes, shoe soles, sheet zinc, meat cutters and stuffers, butcher knives and carvers. From the lumber section comes a fair demand for cross-cut saws, while wood saws and bucks are going freely. Inquiries for skates and snow shovels are frequent.

As for prices, they are low—very low. We would like to be able to report an upward tendency; but for the next two months we see nothing in the situation to justify even a moderate advance. Of course, there have been some few minor changes; screw hook hinges have dropped to the same level as Strap and T Hinges—a natural sequence which was anticipated some time ago. On the other hand, the manufacturers of Hammers and Sledges have gotten together and advanced prices. How they ever accomplished it remains a mystery. Perhaps by some subtle alchemy, they hope, out of this modest advance, to bring forth a dividend payable January 1, 1895. *Is a well to be filled with dew?*

We note with satisfaction one feature of the present situation that promises much for the stability of prices. It is this: Last spring the manufacturer was consumed by one desire—to get business, to get it at a profit, if possible; if not, get it anyhow. All sorts of devices were resorted to in order to make a sale. "Straw quotations" were sent out much as kites were formerly sent up to test the air currents. There is no necessity for such a practice, and the only good accomplished was to show the manufacturer how the "wind blew." This suicidal method has entirely disappeared, with a consequent result that prices have sought their natural level, and promise, at least, to decline no further. With the limited demand, this is as much as can be expected. Collections are fairly satisfactory.

THE TABB & JENKINS HARDWARE CO.

THE GRAPHITE TRADE.

October has been eminently satisfactory in a business sense. Its record of sales has smoothed down some of the wrinkles caused by its namesake of '93.

In every department of our manufactories there is the old bustle and activity of busy people; and visitors being shown through, invariably exclaim: "It does not look like dull times with you."

All our products share the favor of liberal orders, pencils, crucibles, paint and graphite lubricants, with a noticeable increase in stove polish, and we still believe that the business of this country has overflowed the bounds of unnatural obstruction and the prospect for activity is brighter. An increase of business naturally creates a corresponding demand for supplies, and our purchasing department is one of the busiest in the office.

Three lithographic firms are at work upon new show cards, and a beautiful cover for a pencil catalogue now in the printers' hands which will contain several pages of new goods.

Collections are good, most of the larger buyers discounting their bills for cash. JOSEPH DIXON CRUCIBLE CO.

Jersey City, N. J.

A Hint from the Powder Trade.

The San Francisco *News-Letter* says: "The powder business is very active just at present, and an immense trade is being transacted with all the mining districts west of the Rocky Mountains. It is noteworthy that the powder business is always the first to be affected by the vicissitudes of general trade. When silver mining was killed some years ago powder manufactories began to suffer immediately, and shortly afterwards the wave of depression swept over the whole western community. Now they are beginning to feel the effects of the revival in mining, which will undoubtedly develop later in other lines of trade. From what the leading men in the business here say, they are turning out more powder than they ever have done in the history of the State. Gold mining in California has again been taken up in earnest, and old mines abandoned in years gone by are now being worked to good advantage."

THE BEST OILER IN THE WORLD
Is the "PERFECT" POCKET OILER.



HALF SIZE.

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other oilers. Be sure to get a "Perfect." Price, 2½c. each
Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."
CUSHMAN & DENISON, 172 9th Ave., N. Y.

WE ARE HEADQUARTERS FOR
STEEL TAPES.
Don't buy foreign goods when you can buy a better article of domestic manufacture.
We manufacture the best and most complete line of these goods in the market.
LUFKIN RULE CO., Saginaw, Mich.
NEW YORK OFFICE, 21-2 Murray Street.

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WHAT'S IN A NAME!



Everything, when experience and reputation are behind it. So is it with a guarantee. Its value depends upon the reputation and standing of the guarantor. We guarantee our Rubber Belting in unqualified terms, and our guarantee is backed by experience and reputation. We hold this guarantee before the world, because our belting is made of first-class materials, our machinery is specially designed for the purpose, and our rigid system of inspection prevents goods that are defective, even in the slightest degree, from leaving our factory. "Warranted not to peel, open at seam nor separate between plies, and to be durable and serviceable." What's in a name? This:—

A BELT BY ANY OTHER NAME WON'T WEAR AS WELL.

Cleveland Rubber Works
of the Mechanical Rubber Co.

CLEVELAND, OHIO.



Help Wanted.

HARDWARE and Cutlery salesman for New York City and vicinity; also salesman for New York and New Jersey. Address H. J. C. & Co., care HARDWARE, 143 Chambers Street, New York.

Side Line Wanted.

A **HARDWARE commission house** of New York City, centrally located, with ample room for samples and stock, and abundance of capital to carry out any agreement or contract which they may enter into, wish to **negotiate with manufacturers of staple lines of Hardware or specialties.** For further particulars, address Commission, care HARDWARE, No. 143 Chambers Street, New York.

WANTED by traveling man, long experience in New York State and Pennsylvania, Hardware specialty as side line, which will pay well for good work. Address Traveler, New Osborne House, Rochester, N.Y.

For Sale.

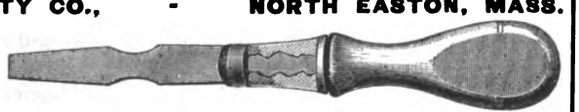
A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

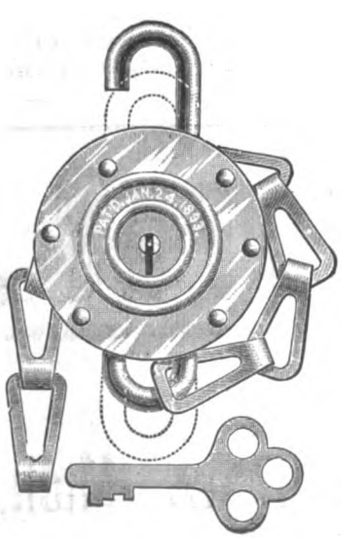
A new filter is being brought out which possesses many advantages. It consists of a piece of rubber tubing an inch and a half long, which fits into a small metal case or tube perforated at its extremity. Inside the tube at the bottom, against the holes, is pressed a small piece of sponge, which comprises the filter. The rubber end of the tube is pressed on to the cold water tap, and thus the filter is made perfect. The idea is not a new one, having been used in the South to filter the muddy water of the Mississippi for many years.

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.





NEW BICYCLE LOCK.

Manufactured by

The Smith & Egge Mfg. Company,

Bridgeport, Conn.

Weighs less than two ounces; small enough to be carried in the vest pocket; is strong and made of best material. The shells are made of corrugated brass, shackles of steel rods, and is supplied with fifteen inches of STRONG STEEL CHAIN, all NICELY POLISHED and NICKEL-PLATED. It has four tumblers, making it PRACTICALLY UNPICKABLE; is self-locking, and the rider needs his key only to unlock it.

Sells on Sight.

WRITE FOR PRICES, DISCOUNTS, ETC.

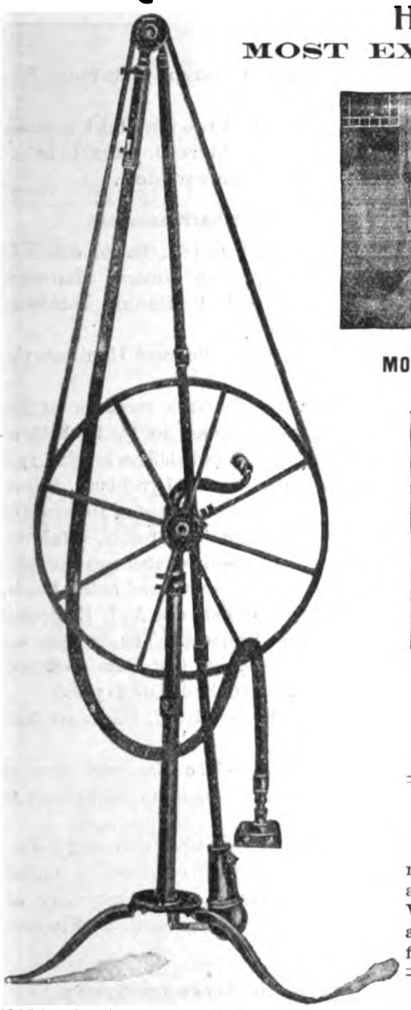
If an advertisement in a journal like this don't pay, the only reason there can be for it is what you say or fail to say in your ad.—that's all. If not satisfied, write Walter L. Gallup, Writer and Director of Advertising, 112-114 Dearborn Street, Boyce Building, Chicago.

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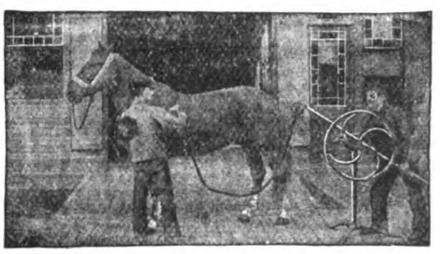
HEADQUARTERS FOR "PRIZE WINNER" HORSE CLIPPERS.

Hand Bicycle, Electric and Steam Power.

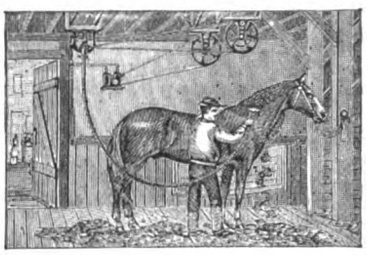
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



MODEL D.—"Champion," Prize Winner, Steel Wheels, Nickel plate. Price $50.00.



MODEL B.—Hand Power. Price $50.00.

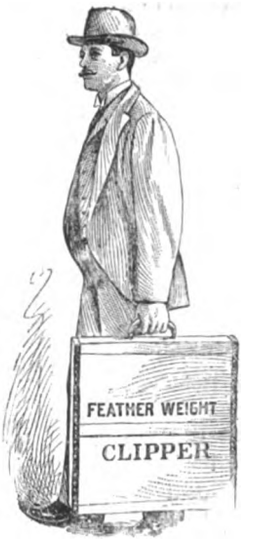


POWER YOKE CLIPPER.
Price $75.00.

CYCLONE CLIPPER (BICYCLE).
Price $75 00.

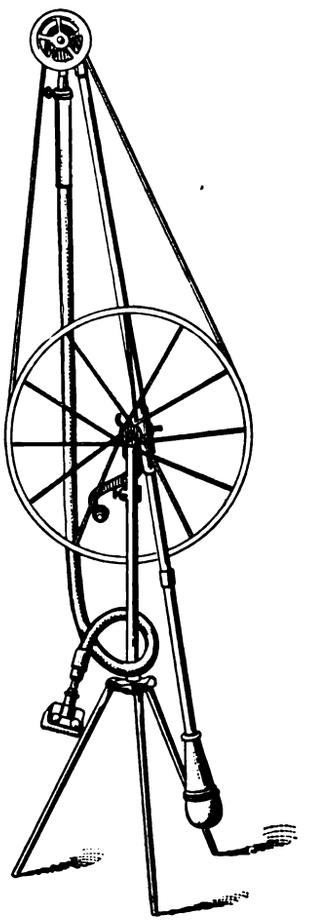
THE CHAMPION.
First Prize. Highest Grade.

Handsomely nickel plated and japanned; steel hubs, rims, spokes, bushing and spindles Very strong and light. With the latest patent "Leader" knives and handle. Bronze bearings. Highly finished. Price $50.00.



FEATHERWEIGHT CLIPPER.
The Lightest Machine Made.

Weight, 25 lbs.. traveling case 8 lbs; mostly steel, bronze and malleable iron. Traveling case, canvas covered, nickel plated lock, 3 hinges, 6 slats, leather handle, also 1 gal. of oil, one oil can, one can of grease and wrench with each machine. Flexible shaft, two knives, the latest "The Leader" and handle. The only portable machine made. Price $35. Send $10, balance C.O.D. Guaranteed perfect.



MODEL E.
FEATHERWEIGHT. Price $35.00.

Gillette Clipping Machine Co.,
201 EAST 23d STREET, NEW YORK CITY.

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c, &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

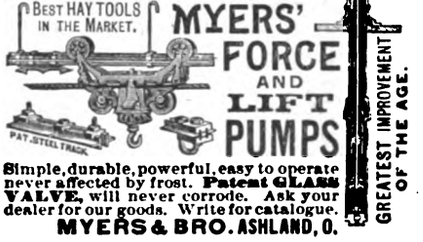
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO.

MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE**, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

GREATEST IMPROVEMENT OF THE AGE.

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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Cochran, Ga.—W. O. Peacock.
Morrilton, Ark.—J. H. McClung.
Philadelphia, Pa.—Webster Hoopes.
Rockville, Md.—Oscar L. Johnson.
Stockton, Ill.—David Stiver.
Watford, Ont.—Hastings & Bruce.
York, Pa.—Brillinger & Emig.

Record of Changes.

Alvarado, Tex.—Smyth & Howle, Hardware, are succeeded by Chapman & Sanson.

Brookhaven, Miss—J. O. Broadwee, Hardware, has sold half interest to W. E. Bradshaw. The new style of the firm will be W. E. Bradshaw & Co., and bicycles will be taken up. Correspondence with cycle manufacturers is invited.

Cambridge, N.Y.—Robert Watkins has bought the stock of Hardware owned by H. R. Eldridge, and will take possession January 1st.

Colton, Cal.—The Hardware business of the J. G. Burt estate has been purchased by Wilcox & Rose.

Columbus, Ga.—Frazer & Dozier, Hardware, bicycles, etc., partnership reported dissolved.

Commerce, Tex.—W. J. Taylor, Hardware, is succeeded by Taylor & Sedberry.

Congerville, Ill.—F. W. Marshall, of Goodfield, has moved into the Stephens building. Mr. Marshall bought the grocery and Hardware stock of E. L. Marshall and will continue the business.

Pierre, S. D.—J. A. Rose has sold his Hardware store to the Pierre Mercantile Co. Charles Johnston, of Central Illinois, is the principal owner in the new company.

Crookston, Minn.—T. H. Bjoin, Hardware, succeeded by the Bjoin Hardware Co.

Dunmore, Pa.—Thomas Hughes has purchased the Hardware stock of J. W. Pennell.

East Hardwick, Vt.—Frank T. Russell, of East Albany, has purchased an interest in the Alex. Alston Hardware business.

Elwood, Ind.—John Frith has sold his Hardware store to J. R. Butt, of Knoxville, Tenn.

Glens Falls, N. Y.—W. H. Barnett has sold out his Hardware store to W. J. Hall & Co.

Grove City, Pa—J. H. Kohlmeyer has purchased Wm. Buckholdt's interest in the Hardware store of Buckholdt Bros.

Lamberton, Minn.—A. M. Clark, Hardware; A. M. Clark and son succeed.

Leavenworth, Kan.—James Swift, Hardware, succeeded by Swift & Thompson.

Lexington, Ky.—Percy Scott and Frank Vanderen have bought the Hardware store of John T. Miller.

Logansport, Ind.—A. DeLong has sold his Hardware stock to G. W. Campbell.

Los Angeles, Cal.—J. L. Viereck, Hardware, is succeeded by E. L. Viereck.

Malden, Mass,—S. A. Brock has sold his Hardware business to Chas. P. Dearborn and G. G. Greenwood.

Meriden, Conn.—George W. Sprague, Hardware, reported sold out.

Millheim, Pa—James C. Smith, Hardware, bicycles, etc., is succeeded by Hosterman & Stover.

Mirabile, Mo.—D. Fort, Hardware, etc., now D. Fort & Son.

Morrison, Iowa.—W. F. Wilson, Hardware, bicycles, etc., is succeeded by L. J. Morrison.

Niagara Falls, N. Y.—Phillips & Co., Hardware dealers, have become a stock company.

North Enid, Okla.—S. B. Pettee, Hardware, moved to El Reno.

Oakdale, Neb.—J. H. Kinney has bought the Hardware stock of Stratton Bros.

Oakfield, Wis.—James Short & Son, Hardware, agricultural implements, buggies, etc., reported dissolved.

Oelwein, Iowa,—E. F. Schlecht & Co., Hardware, reported sold out.

Pavilion, N. Y.—Wells & Hubbard have purchased the Hardware business of E. R. Christman.

Portlandville, N. Y.—McLaury Bros. have purchased Frank Aplin's Hardware store.

Roswell, N. M.—Long & Craig, Hardware, reported dissolved.

Royersford, Pa.—Buckwalter, Grater & Co., Hardware, reported dissolved.

Russiaville, Ind.—Woody, Marshall & Sims, Hardware and agricultural implements; succeeded by Marshall, Middleton & De Leon.

San Antonio, Tex.—A. J. Baker, Hardware, succeeded by George Hagelstein.

San Bernardino, Cal.—Wilcox & Rose, of Colton, have purchased the Burt Hardware store.

Sedalia, Mo.—Trombo & McRoberts have sold their Hardware store to R. B. Ellison, of Smithton.

Springbrook, Ont.—F. C. Reynolds has sold his stock of Hardware and removed to Campbellford.

St. Johnsbury, Vt.—A. V. Andrews has bought the interest of his partner, Herbert E. Dawes, in the Hardware business on Railroad Street.

State College, Pa.—Grieb & Co., Hardware, bicycles, etc., succeeded by L. O. Meek.

Syracuse, N. Y.—David D. Gregory, wholesale and retail Hardware, reported sold out.

Tingley, Iowa.—Elder & Nicho, Hardware, stoves, etc., reported sold out.

Toronto, Kan.—Thompson & Baker, Hardware, reported dissolved.

Towanda, Pa.—Taylor & Spaulding, Hardware, reported dissolved.

Wausa, Neb.—Buol Bros., Hardware, sold out.

Wellsboro, N. Y.—Ezra B. Young has bought the Converse Hardware store.

Whitehall, Wis.—Frederickson & Reitzel, Hardware, etc., have sold out.

Record of Improvements.

Batavia, N. Y.—John P. Fonda is to move his Hardware store from Main Street to the State Street store recently vacated by Russell & Palmer.

Blissfield, Ohio.—The Phillips Hardware Co. are again in their new quarters, in the place of the store burned last spring.

Callender, Iowa.—George Evenson is building a new Hardware store.

New London, Iowa.—J. W. Seymour & Son are building an addition to their Hardware store.

Pittston, Pa.—S. P. Fenn is enlarging his Hardware store.

Plaquemine, La.—The Brusle Hardware Co. are having an addition made to their warehouse on Railroad Avenue.

Rumford Falls, Me.—W. V. Lander has moved his Hardware business across the street to Bryant block.

Sodus Centre, N. Y.—R. S. Borradaile has the frame up for his new Hardware store on Main Street. He expects to occupy it about the first of December.

Springville, N. Y.—A two story brick building is to be constructed by Avery D. Jones, to be occupied by him for a Hardware store.

Business Embarrassments.

Albany, N. Y.—Charles E. Baker, dealer in Hardware, has assigned to James C. Matthews.

Fort Smith, Ark.—J. P. Durden, Hardware dealer, has assigned.

Hamilton, Ont—The Bowman Hardware Co. have assigned.

Roanoke, Va.—A. J. Evans, successor to Evans Brothers, has assigned to E. L. Bell, of Lynchburg, trustee. The liabilities are $26,130, with the largest creditors in Lynchburg, Salem, and this city. The assets consist of the stock of Hardware, woodenware, oils, paints, varnishes, etc., in the storeroom and warehouses; two parcels of real estate in this city, and notes, bonds, and other evidences of debt due A. J. Evans and the firm of Evans Brothers. The creditors are divided into three classes—first class is $5309, second class $5015, and third class $15,806.

Scranton, Pa.—Henry Battin, Hardware dealer, has assigned.

Waterville, Minn.—The Hardware firm of Keegan & Kane have made an assignment to Charles Dolan.

Wilmington, Ohio.—Campbell, Hamill & Co., wholesale and retail Hardware, with a branch general store at Clarksville, this county, have assigned. The assets are estimated at $40,000; liabilities, $30,000.

Burglaries in Hardware Stores.

Aberdeen, S. D.—A. C. Witte, $100.
Anoka Minn.—Bean & Gudryan, cutlery.
Brooklyn, N. Y.—Edward Lindquest, $52.
Caldwell, Ohio.—John Kane, cutlery.
Creston, Iowa.—J. H. Pott, revolvers.
Elkhart, Ind.—George Maurer, revolvers.
Elkhorn, Wis.—H. C. Norris, $75.
Fostoria, Ohio—Alcott Hardware Co., $200.
Fort Edward, N. Y.—C. W. Bowtell, cutlery.
Jefferson City, Mo.—E. C. Bush & Co., guns.
Kalamazoo, Mich.—Edwards & Chamberlain, $150.
Ladd, Ill.—Cahill & Thelan, $300.
Lincoln, Me.—E. A. Weatherbee, $200.
Monument, Col.—James Rose, $200.
Plover, Wis.—A. E. Bournes, $65.
Portland, Ore—Johnston & Stanton, small loss.
Scottdale, Pa.—Null & Bryan, $75.
Turner, Ill.—Boynton's Hardware store, revolvers.
Waltham, Mass.—William Shakespeare, revolvers.

Fires in Hardware Stores.

Brunswick, Ga.—The Hoyt Hardware Co.'s stock has been destroyed by fire; loss, $20,000.

Buckhannon, W. Va.—The Hardware store of White, Carver & Bro. has been destroyed by fire.

Latham, Ill.—The Hardware store of W. G. Pope has been destroyed by fire.

Linden, Wis.—The Hardware store of Thomas Hicks, destroyed; loss, $5000; insurance, $2000.

Nashville, Tenn.—Dudly & Black and C. H. Hitchcock & Son, Hardware dealers, stores destroyed by fire; loss, $50,000.

Providence, R. I—The Hardware store of S. M. Clarke has been destroyed by fire.

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SPECIAL NOTICE.

For some time past Joseph Rodgers & Sons, Limited, have been annoyed by Pocket Knives being put on the market stamped "Rodgers' Pattern" on blades. They are advised that this stamping is a clear infringement of their rights. Notice is, therefore, hereby given that any parties found selling knives so stamped will be prosecuted.

ALFRED FIELD & CO.,
Sole Agents JOSEPH RODGERS & SONS, LIMITED.

NEW YORK, Nov. 1, 1894.

TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

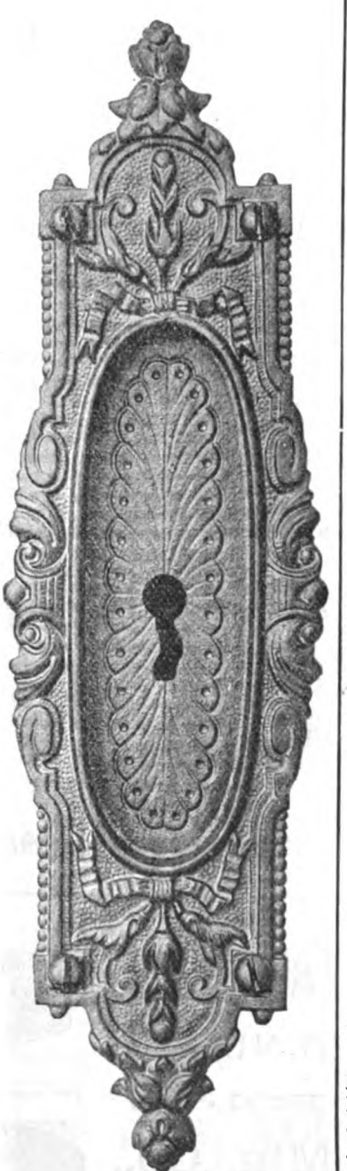
Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Arabian Design, Antique Copper Finish.



KNOB, No. 7687.
ESCUTCHEON, No. 7858¼.



ESCUTCHEON,
No. 7837

Important Auction Announcement.

E. BISSELL, SON & CO.,

AUCTIONEERS,

Tuesday and Wednesday, Nov. 13th and 14th,

AT 10 O'CLOCK A. M. EACH DAY.

—:AT:—

12 Murray Street and 15 Park Place, New York.

Large Special and Unreserved Trade Sale

—:OF:—

SEVERAL THOUSAND DOZEN

Table Knives and Forks, Pocket Knives, Carvers, Butcher Knives, Razors, &c.

Comprising a large assortment of desirable patterns.

FINE GOODS SUITABLE FOR

Thanksgiving and Holiday Trade.

—:ALSO:—

SEVERAL HUNDRED DOZEN

Silver-Plated Tea and Table Spoons and Forks, extra plate, on eighteen per cent. Nickel Silver.

A LARGE LINE OF

Rogers Silver Plated Medium Knives.

Also fine Pearl Handle Medium and Dessert Knives, Fruit Knives, Nut Picks, &c.

ALSO 1000 DOZEN

Fine Nickel-Plated Scissors and Shears—including Straight Bent, Bankers and Barbers Shears, Scissors, &c., &c., all sizes.

ALSO BY ORDER OF

The Hartford Silver Plate Co.,

IN LIQUIDATION,

A LINE OF

Fine Quadruple Plate Siver Ware.

ALSO 2000 PAIR

Winslow's American Club Skates,

Assorted from 7½ to 12 inches.

Goods will be sold in quantities to suit jobbing and retail trade. This being our last cutlery sale for this season, will be worthy the especial attention of the entire trade and department stores.

Catalogues mailed on Application.

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The Riding Horse Tricycle

Greatest novelty of the age.



THE MOST COMPLETE RIDING NOVELTY IN THE WORLD.

-:-A BIG SELLER DURING THE HOLIDAY SEASON.-:-

The harvest time is now. Write at once.

QUADRUPED NOVELTY CO.,

Exclusive Agency Given. CANTON, OHIO.

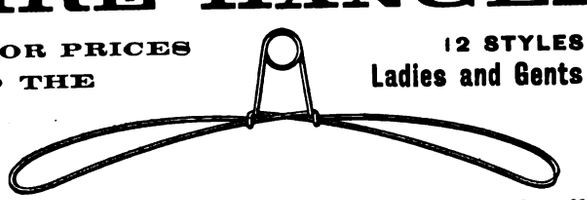
GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK. We solicit correspondence.

HAIGHT & CLARK, - - ALBANY, N. Y.

"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO, No. 115 North Vine St. Hazleton, Pa



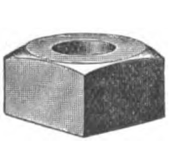
WROUGHT WASHERS.

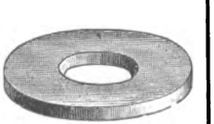
HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.





H. J. BRAINERD,

Hardware Specialties,

GENERAL BUYER AND BROKER.

Out of Town Business Solicited.

97 Chambers & 81 Reade Sts.,

NEW YORK.

Aluminum in the Army.

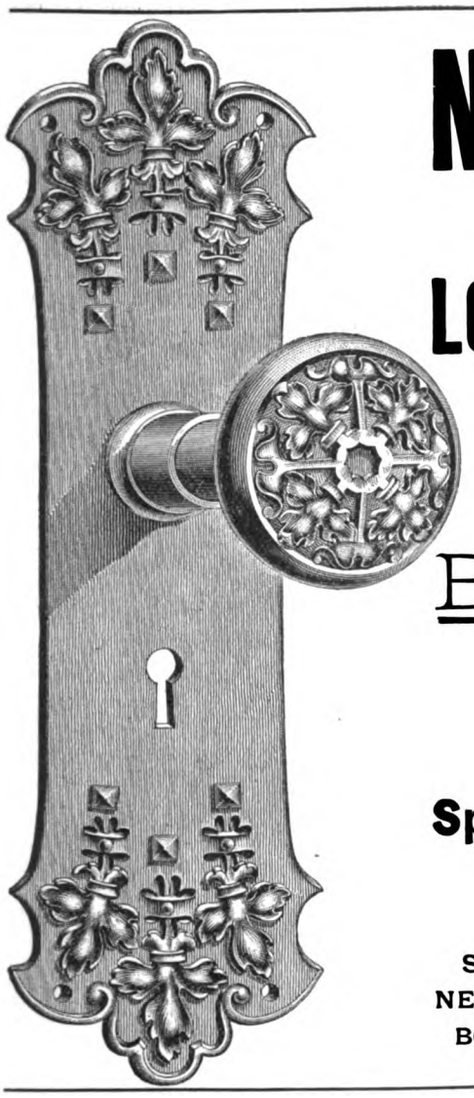
The United States War Department is following the lead of the navy in testing the value of aluminum for a variety of military equipments. The success of Wellman's aluminum boats in the Arctic exploration has stimulated such inquiry. Experiments have been under way for some time with a view to the construction of aluminum life boats. Life preservers of the same material are considered practicable, and it is probable that all the small boats of the navy hereafter built will be equipped with air-tight aluminum tanks in bow and stern to keep them afloat if overturned. It is in the line of small equipments that the army is expected to utilize the metal. Samples are in the Ordnance Bureau of aluminum cups, belt buckles, hooks and horseshoes. "The substitution of aluminum cups for tin seems entirely practicable. The regulation tin cup weighs eight and a half ounces, while one of the same size made of aluminum weighs but three and three-quarter ounces. The lessening of marching weight is one of the problems which always is before the officers who superintend the matter of equipments. It is hoped in the near future it will be found practicable to use the light metal not only for drinkng cups and dishes of the soldier, but for bayonet scabbards and other accoutrements in which strength is not the first requisite."

One of the most remarkable events in the history of the curious has just come to light. A short time ago Haynie Bros.' delivery horse ran off. In passing Howorker's shop a loose tug caught on a long wire. The horse turned up Main Street, dragging the wire at a lively pace. George Jenkins' horse was hitched in front of his Hardware store, and as Haynie's horse passed the wire took both the hind shoes off of Jenkins' horse.—*Slater Index.*

Bicycle men still report a good business in their line. The weather has been fine, more so than is usual at this season of the year, and this has stimulated the use of the wheel. All manufacturers are making extensive preparations for the exposition which will take place in Madison Square Garden next January.

Importers of cutlery report the market somewhat over-stocked. The withdrawals from bond in the custom houses released a large quantity of goods which in turn have been somewhat slow of sale.

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NORWALK LOCK CO.,

Manufacturers of

LOCKS AND BUILDERS HARDWARE.

Art Metal Work

for all requirements of

BUILDING DECORATION.

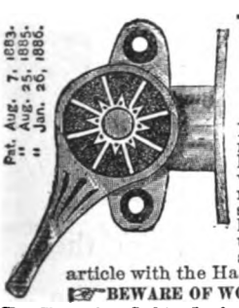
Designs and Estimates Furnished

—AND—

Special Work Solicited from Architects.

SOUTH NORWALK, CONN.
NEW YORK, 82 Chambers Street.
BOSTON, 200 Franklin Street.

BALTIMORE, 25 Hanover Street
HENRY KEIDEL & CO.
CHICAGO, 544 Unity Building.
FOSTER & DAVISON.



THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.

Eight Tumblers. • Key Turning Both Ways.



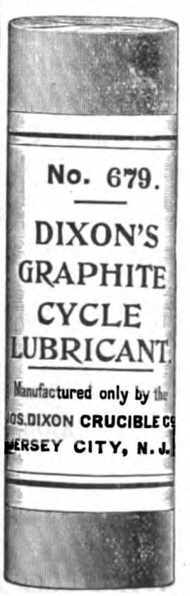
Sizes, ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

AMES SWORD CO., Chicopee, Mass.

Send for Catalogue.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!



Any Hardware Dealer

Who handles Bicycle Sundries and has an eye to profit as well as perfect goods should send for a sample of Dixon's 679 Chain Lubricant and our price card. The Graphite used in it is produced only by the Dixon Company. It was introduced at the tail end of the season, but over a thousand gross of it was sold. It will be THE seller next season.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

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E. W. BLISS CO.,

18 ADAMS STREET, BROOKLYN, N. Y.

100-104 W. Washington Street, CHICAGO, ILL.

DUPLEX FOLDING AND SEAMING MACHINE.

THIS machine is designed to facilitate the manufacture of lock-seamed tinware. It obviates the necessity of using a bar-folder for forming the hooks on the body blank before rolling same on the forming machine. Its operation is exceedingly simple and reliable. The blank is first formed in the rolls then placed in the machine, which forms the two hooks at one stroke and closes them at a second operation. The advantages obtained are:

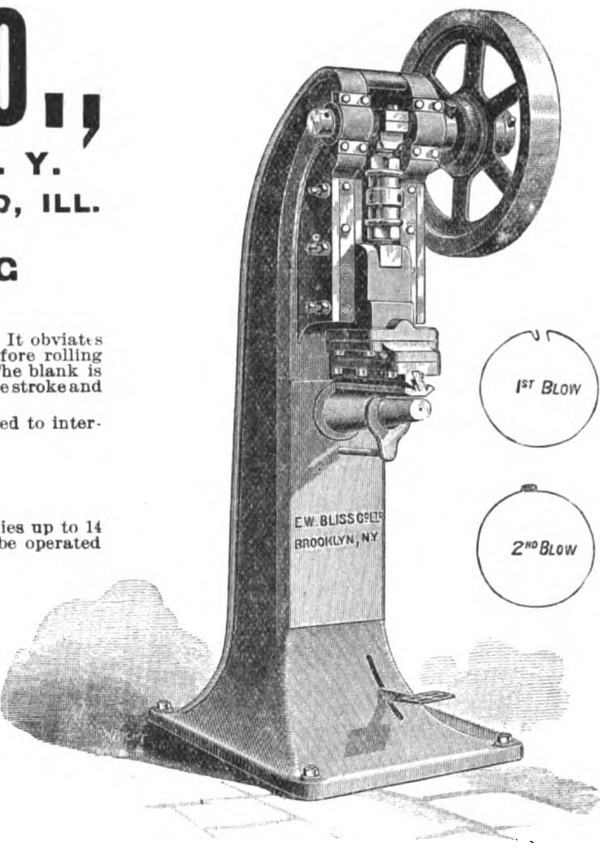
First—That the blank is rolled in the flat, not having any hooks previously formed to interfere with the operation.

Second—That both edges are hooked at one blow.

Third—That the hook forming and closing are done in one handling.

Fourth—That the seam is more uniform than if started in the bar-folder.

The horn can be arranged to throw the seam inside or outside. All sizes of bodies up to 14 inches long can be done on the one horn. These horns and forces are not adapted to be operated in presses having more than ½ inch throw.



PRESSES, PUNCHES, SHEARS,
DROP HAMMERS,
DIES, SPECIAL MACHINERY, &c.

THE STILES & PARKER PRESS CO.

Geuder & Paeschke Mfg. Co.,

MANUFACTURERS OF

Tinware and Sheet Metal Goods.

St. Paul Ave. and 15th St.,

MILWAUKEE, WIS., Oct. 25, 1894.

Gentlemen:

We frequently receive letters from good merchants asking for quotations on "Cream City Flour Bins and Sifters," and adding that they feel disposed to place an order with us, provided our price is as low or lower than they have been accustomed to paying for other makes.

While we appreciate the courtesy, which prompted the inquiry very much, and have no fault to find with the desire to purchase goods at the closest possible figure, we regret very much that we cannot meet the views of our friends, for the simple reason that we have never learned the art of giving a twenty dollar gold piece for $19.00 in currency.

Our Cream City Flour Bin is made of IX Tin, nicely japanned and ornamented, and has many points of excellence over others, which cannot fail to commend themselves to careful observers. They cost a trifle more, but will outlast three of the ordinary kind.

We furnish 500 elegant booklets free with an order for one dozen or over, and the advertisement you receive as a result, is alone worth more than the price of the bins.

Respectfully yours,

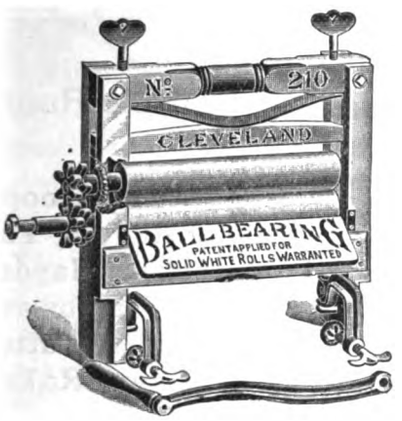
The Geuder & Paeschke Mfg. Co.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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A Good Profit to Dealers.



A Ball Bearing Wringer
THE CLEVELAND.

Runs like a bicycle. Very easy to operate. No other like. Can be sold at higher price and better profit than others; hence it pays to push it. It has been on market over year and is giving perfect satisfaction.

Send for Sample or write for Catalogue and Prices.

ALSO ALL OTHER KINDS OF WRINGERS.

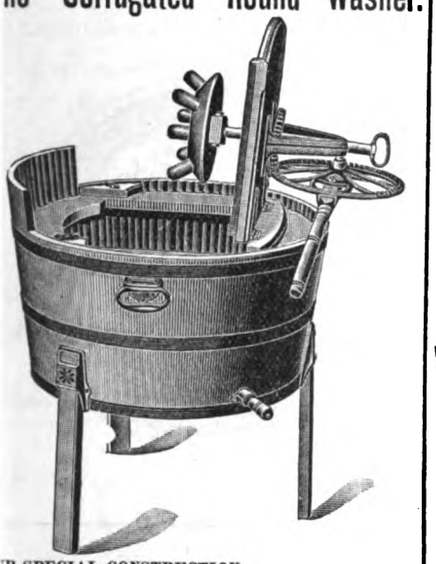
THE PEERLESS MANUFACTURING COMPANY,

CLEVELAND OHIO.

We also make High Grade Bicycles.

Osgood & Howell, Pacific Coast Agents, 132 Market St., San Francisco, Cal.

The Corrugated Round Washer.



OUR SPECIAL CONSTRUCTION,
SUPERIOR WORKMANSHIP,
BEAUTY OF FINISH
—AND—
RECENT PATENTED IMPROVEMENTS
Cause thinking dealers to investigate this Washer, with but one verdict—
IT IS PERFECTION.
Write for bottom prices.

DIETHER & BARROWS FORT WAYNE IND

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

W. H. DIVINE.

Manufacturer of

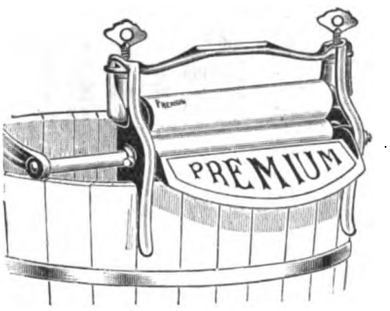
High Grade

Cotton Buffing Wheels.

Office and Works: Chadwicks, N. Y.

New York Office:
1775 Broadway. B. H. Divine, Mgr.

A postal card secures our Catalogue.



There is a Better Profit

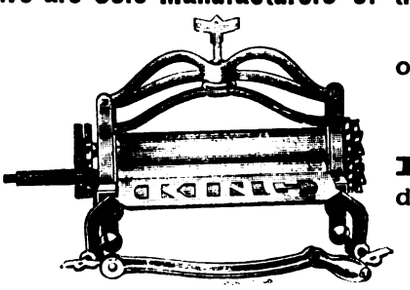
To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.

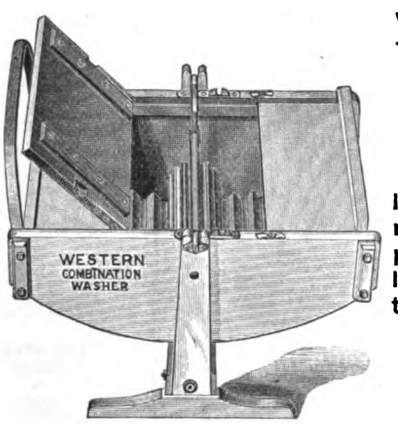


We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.



WESTERN COMBINATION WASHER

Commands the most ready sale and liberal profit. Nothing like it in the market Send for samples on approval. Satisfaction guaranteed. Catalogue and prices mailed on application to the sole makers,

The Horton Mfg. Co.,

Fort Wayne, Ind., U.S.A.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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Surpless, Dunn & Alder,

INCORPORATED.

Representing Leading American Hardware Manufacturers,

Now located at **No. 15 Murray Street, New York.** Large Sample Room

In Stock:

Full line Ash and Hickory Handles, Hussey Binns Co.'s Shovels, Spades and Scoops, Tackle Blocks, Forges and Blowers, Augers and Auger Bits, Hollow Augers, Tap Borers, Braces, Boring Machines, Engineers and Agricultural Wrenches, Hayden Pipe Wrenches, Slaters Tools, Rod Cutters, Nail Pullers, Planes, Rules, Plumbs and Levels, Hand Screws, Marking Gauges, Chisel, File, Plane and Saw Handles, Button Pliers, Keystone Iron, Brass and Bronze Padlocks, Lawn Mowers. Lawn Rakes, Stone Forks.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.



Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Iron
Manufacturing Metal
Metallic Paint
Milk Can Handles
Milk Can Trimming
Roofing, ½ and 1 inch
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cresting Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes



BUY DIRECT

from us, if you want a bicycle "Built for Business" and sold at a legitimate profit. We want the best trade or none. We want dealers that will buy

FROM THE MAKER

in large or small quantities, with your name or ours. We are not ashamed of our productions. Any responsible dealer who orders a sample **New Clipper,** and does not consider it worth the price we ask may return it

AT OUR EXPENSE.

New Clippers

Are Built to create Business.
Are Built to Please Business men
Who Buy for Business.
Ride for Business,
Sell for Business, and
Who are in Business for Business.

Grand Rapids Cycle Co.,

I Street.
Grand Rapids, Mich.

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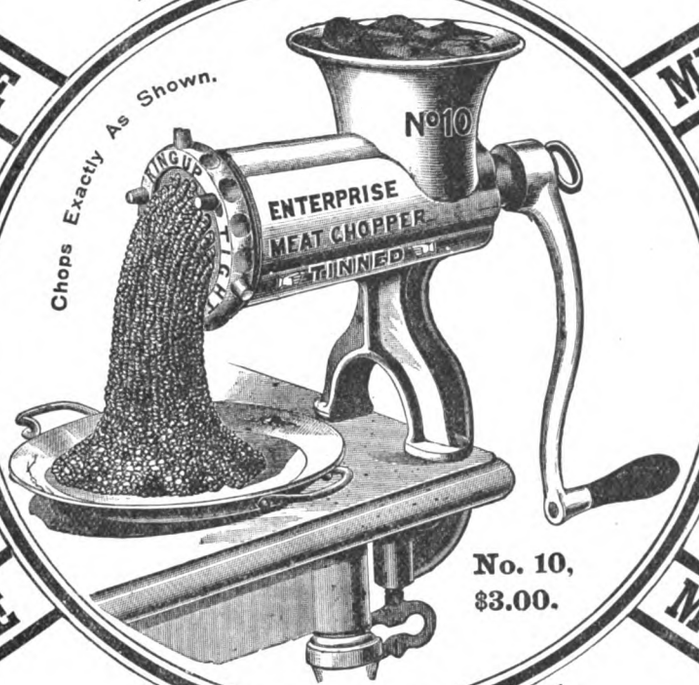
16 Sizes, $2.00 to $275.00.

ENTERPRISE MEAT CHOPPER

FOR SALE BY HARDWARE DEALERS.

FOR CHOPPING
Sausage Meat,
Mince Meat,
Hamburg Steak
for Dyspeptics,
Hash,
Hog's-Head
Cheese, Tripe,
Suet,
Lobsters, Clams,
Codfish,
Chicken Salad
and Croquettes,
Scrapple,
Cabbage, Corn
for Fritters,
&c., &c.

Chops Exactly As Shown.



No. 10,
$3.00.

ILLUSTRATED CATALOGUE SENT FREE.

FOR CHOPPING
Stale Bread for
Bread Crumbs,
Scrap Meat for
Poultry,
Horse Radish,
Peppers,
Vanilla Beans,
&c., &c.
Also for making
Beef Tea for
Invalids, Mash-
ing Potatoes,
Pulverizing
Crackers,
&c., &c.

ENTERPRISE MEAT CHOPPER

ENTERPRISE M'F'G CO., Philadelphia.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

5,000 HOUCHIN'S

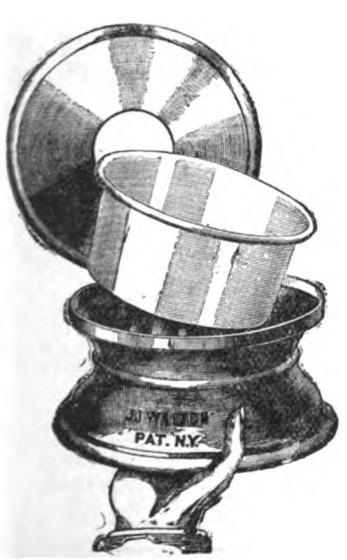
Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & a great variety of Housekeeping Articles.



Cuspidore Manufacturing Co.,

SOLE OWNERS OF

"Walton's" Patent Adjustable Bowl Cuspidores.

The Only Business House in the United States Devoted Exclusively to the Manufacture of Cuspidores.

Made in Cast Brass, Cast Gray and Malleable Iron, Japanned in all Colors and Fancy Striped Sp n Brass and Nickel Plated, or in Silver to order.

The Best and Easiest Cleaned ever made on the market, for Hotels, Bars, Public Buildings, Banks, Offices and Private use.

A TRIAL WILL CONVINCE YOU.

CUSPIDORE MFG. CO.,

Office and Factory, 30 Ward St., Near Market St. Depot, Penn. R. R., **NEWARK, N. J.**

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WE'RE SO AFRAID OF THE INCOME TAX

That, to reduce our profits to the proper limit, we expect to sell Phillips Screens very cheap the coming season.

"WE DON'T SAY WE ARE DEMOCRATS,"

but perhaps Uncle Sam will "whack up" on losses if we do on "profits."

The quality of our product will remain first-class this season. It costs but little more to make GOOD GOODS. Then

THE AMERICAN PEOPLE PUT UP WITH MANY THINGS PATIENTLY,

but they won't stand it if we cut the quality on our goods after saying so many years that

PHILLIPS SCREENS ARE RELIABLE.

It's early to talk screens yet, but when you are ready to buy, please remember that our experience, capital and capacity of 5000 screens per day, enable us to make quality, quantity and price.

PHILLIPS SNOW SHOVELS

are Strong, Light, Properly Formed and well made from good materials.

THE A. J. PHILLIPS CO., - Fenton, Mich.

McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5½ Inches Diameter.

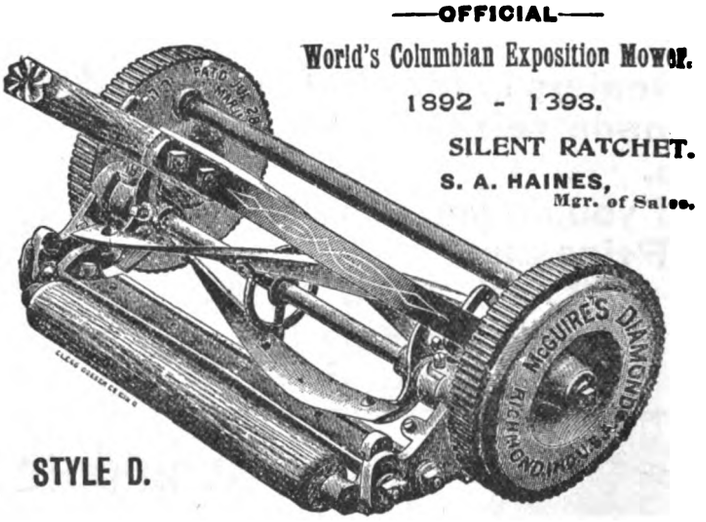
LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory.
12 "	14.00	
14 "	15.00	
16 "	16.00	
18 "	17.00	

PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

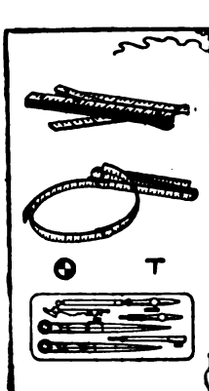
This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.
If you wish a first-class Mower in all respects, one that is fully warranted,

—BUY McGUIRE'S DIAMOND.—

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1892 - 1393.
SILENT RATCHET.
S. A. HAINES,
Mgr. of Sales.



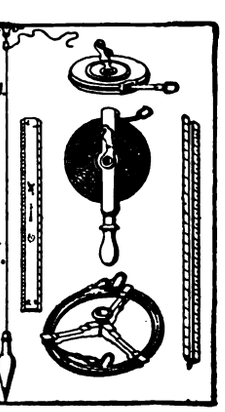
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SUPERIOR QUALITY, LATEST IMPROVED. GREATEST VARIETY
STEEL · METALLIC · LINEN · POCKET TAPES.
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NO WARPING, NO SHRINKING, NO ILLEGIBLE JOINTS, NO BULK.
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NONE BETTER.

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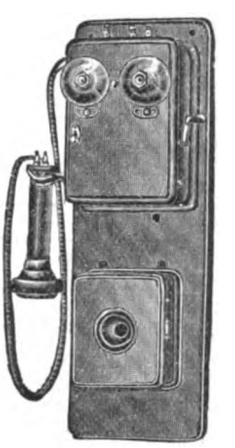
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We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

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Ask your wholesale dealer for prices You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

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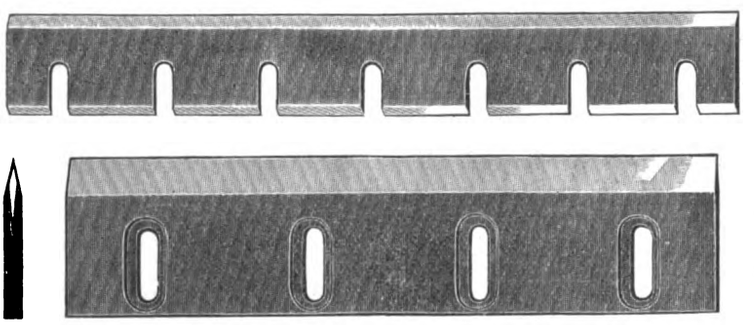


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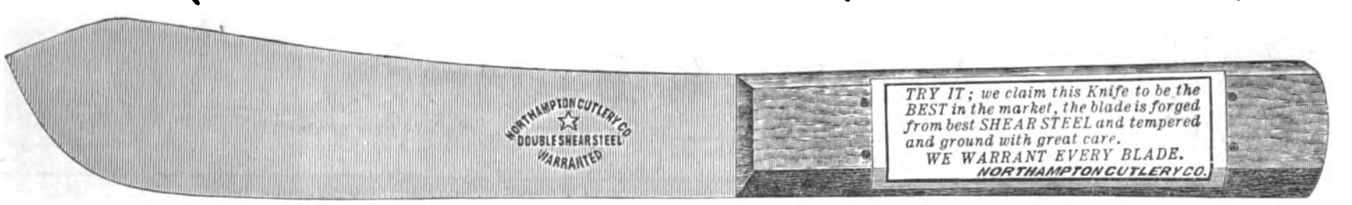


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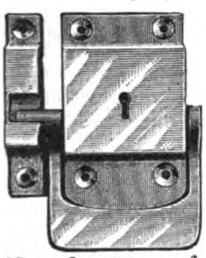
This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
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The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

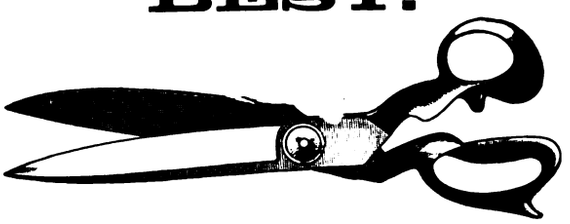
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Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.
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Made in great variety but of only one grade, the
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They have the finest finish and a reputation that extends all over the world, and hence
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STABLE FITTINGS.

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Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

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Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

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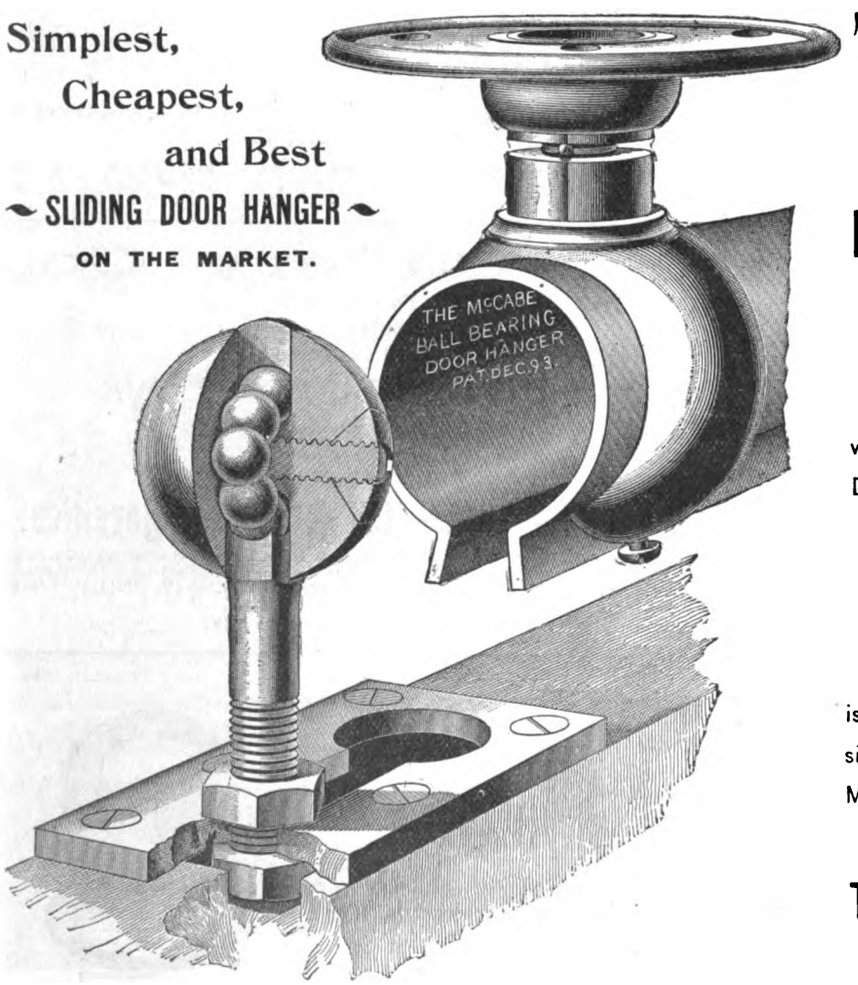


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The McCabe Ball Bearing Tubular Door Hanger

IS THE ONLY

Ball Bearing Door Hanger

ON THE MARKET.

It is also the only Hanger having an ADJUSTABLE TRACK, which can be regulated without removing the Door or Casing.

The Hanger is Entirely of Steel.

Send for our Catalogue and see that it is by far the best Hanger for inside or outside use. For moving Parlor, Barn, Car, Fire, Mill, or Elevator Doors is unsurpassed.

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For Step Ladder Service the Hanger is Without a Peer.

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Are most successfully combined in our goods, and while we could perhaps cheapen the cost of the

BLACK HAWK NAIL PULLER

It would be at the sacrifice of its reputation and ours. $9 a dozen is only a fair price for a good honest article.

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3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

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Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong All metal; nickel plated. Sells at sight. Sample to Dealers, 50 cents. Agencies given reliable houses. Write for prices in quantities.

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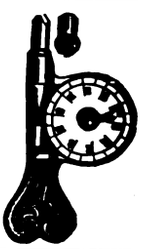


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OUR PRICE NOW IS

6 in. $2.25
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Delivered if not more than 300 miles from Buffalo.

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This is the "SALEM" HANGER,

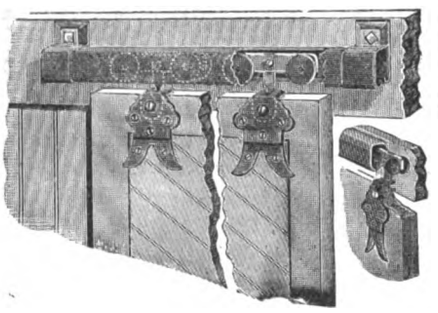
A BRAND NEW ARTICLE OF "BUILDERS' HARDWARE,"



AND WE WANT THE HARDWARE TRADE TO WRITE US FOR SAMPLE AND PRICES.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

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STEEL ROOFING

Corrugated Iron,

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Down! Down! go Prices. WRITE US QUICK.

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Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

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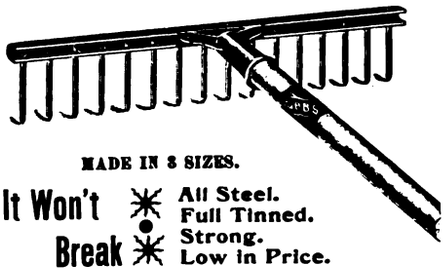
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Steel Snow Shovels,
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GENERAL HARDWARE.

"IDEAL" GARDEN RAKE.



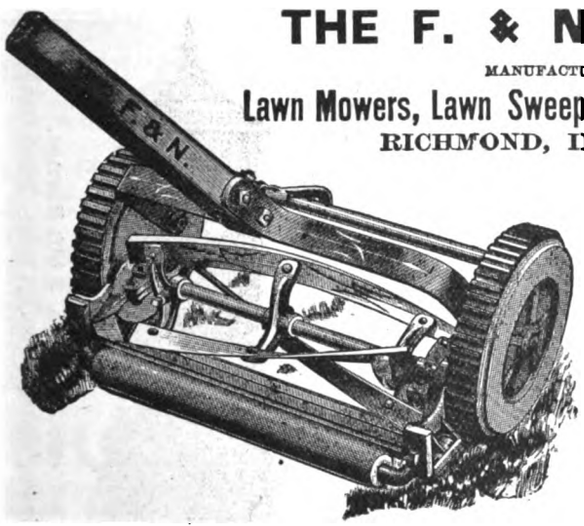
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It Won't Break
- All Steel.
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A more practical and durable RAKE cannot be found. Finely finished and very attractive.

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MANUFACTURERS OF

Lawn Mowers, Lawn Sweepers and Grass Catchers,

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THE F. & N. HIGH GRADE LAWN MOWER.

Fully Guaranteed.

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IRON BENCH LEVEL

WITH DOUBLE PLUMB.

No. 5. 6 in.



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35 MAIN STREET, ATHOL, MASS.

Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

COLDWELL LAWN MOWER COMPANY.

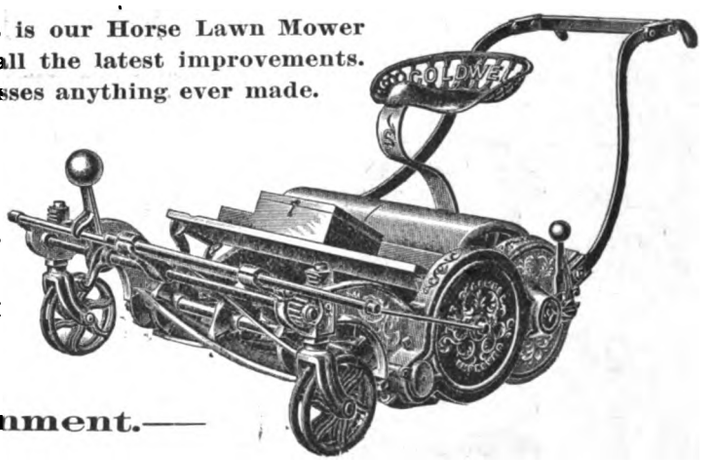
THE BEST IN THE WORLD. **NEWBURGH, N. Y.**

This is our Mower that was awarded the HIGHEST PREMIUM and attracted so much attention at Chicago for its lightness of draft, durability and quality of work.



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This is our Horse Lawn Mower with all the latest improvements. Surpasses anything ever made.



—Adopted by the Government.—

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THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearance. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten, blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses to which it may be put are:

Polishing Stoves, Ranges, etc, it has no equal.

Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.

Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.

Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where once used it is "a joy forever."

Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.

Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.
We will quote you low prices and only ask a trial order. 2 kinds of mitten and dauber made, both kinds samples 30c. to Dealers.

HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street Boston, Mass.

THE MILLER OIL HEATERS.

No Disagreeable Odor. No Ashes. Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Height, 23½ inches. Spread of Base, 12½ inches. Nickel Finish.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" **THE LATEST AND BEST.**

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The **No. 3 BURNERS** have a **FLAME OF 15 SOLID INCHES.** **"MILLER" HEATERS** have outside **SCREW ADJUSTMENT** for regulating the Wick and **PLUNGE MOVEMENT FOR EXTINGUISHING**; each one is supplied with an extra Flame Spreader so that Lamp can be used for **ILLUMINATING** when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

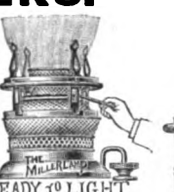
A MOST IMPORTANT FEATURE.

☞ All the weight of the Cylinder rests solidly on the **FOUNT** and not on the **BURNER** in these Heaters.

In **IMITATIONS** of these Heaters the Cylinder is supported on the **BURNER, a CHEAP and WEAK CONTRIVANCE,** which makes it necessary to **REMOVE THE CYLINDER** for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.



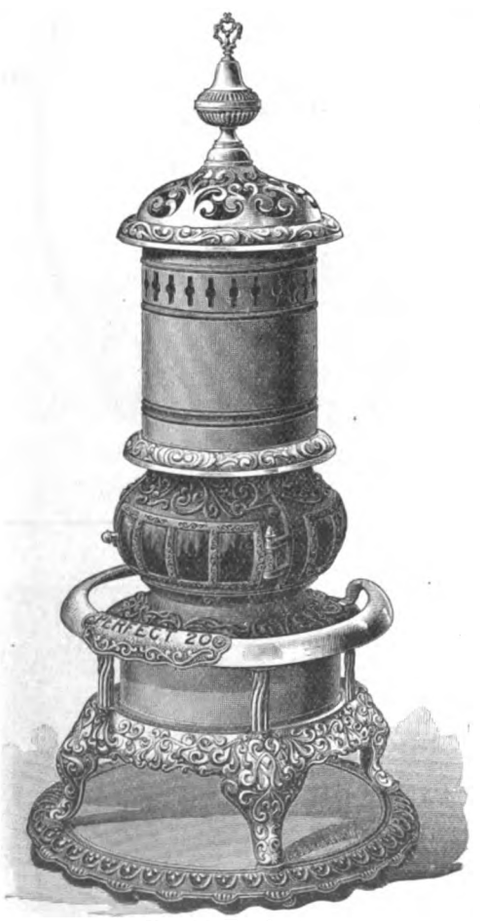
No. 328. No. 3 Lift Burner. Height, 22 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

—MANUFACTURED BY—

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New York Store: 10 & 12 College Place and 66 Park Place. Boston Store: 63 Pearl Street. Chicago Store: Rooms 808 and 809 Masonic Temple.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

MANUFACTURED BY

J. H. CORT & SON,

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No. 12 Perfect.

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THE KEENEDGE SKATE GRINDER AND SKATE HOLDER.

SKATE GRINDING MACHINERY

Special Discount to the Trade.

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TACK & NAILS MACHINES.
LATEST IMPROVEMENTS.
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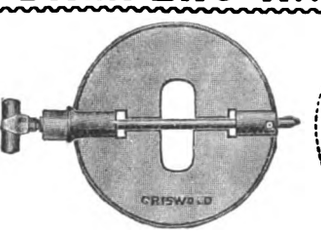
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If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.



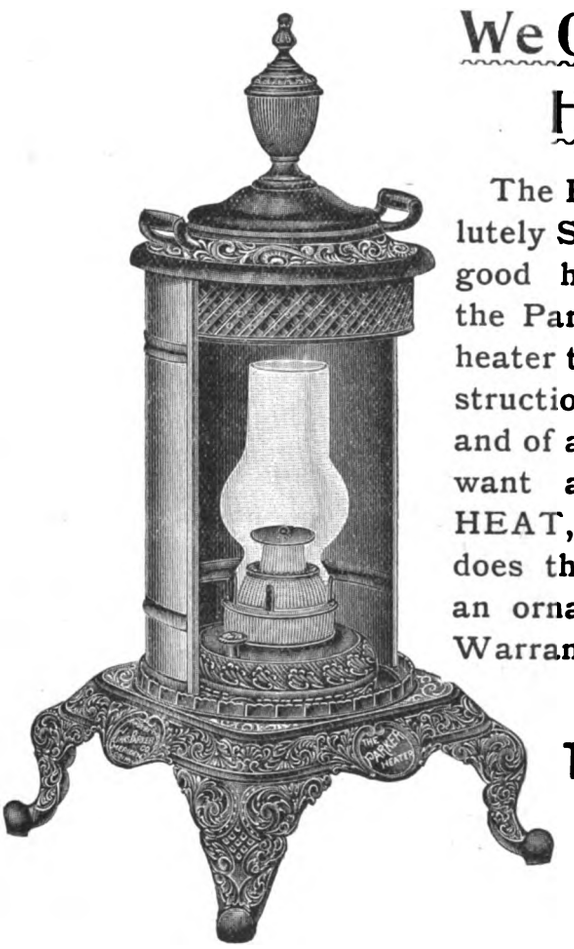


Wood or Nickel Handle.
Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE.
Send for Samples.

Griswold Mfg. Co.,
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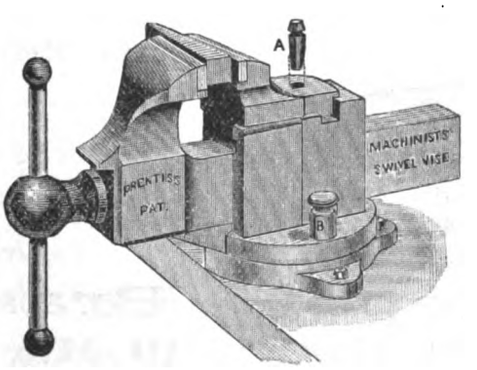


We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

THE CHAS. PARKER CO
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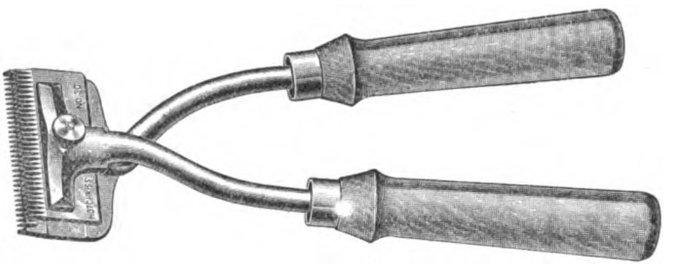
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97 Chambers St.



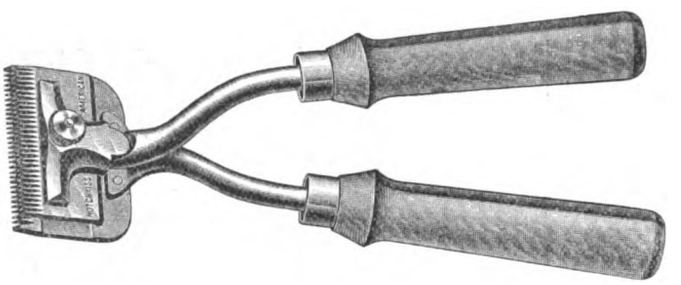
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Send for Illustrated Catalogue of ALL KINDS OF VISES.
Prentiss Vise Company,
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HOTCHKISS' AMERICAN CLIPPERS.



No. 80 HORSE.



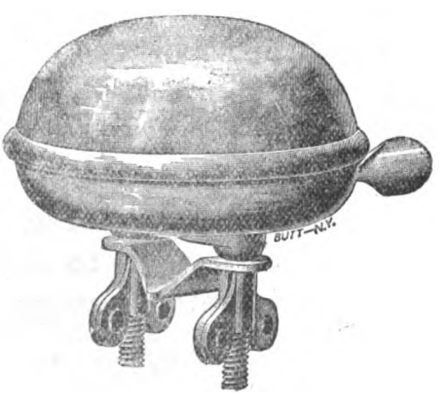
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Metal parts highly polished, black birch handles, Nickel ferrules.

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(Patented Aug. 2. 1894.)

THE "BRIDGEPORT" DOUBLE STROKE BELL.

Send for Price.



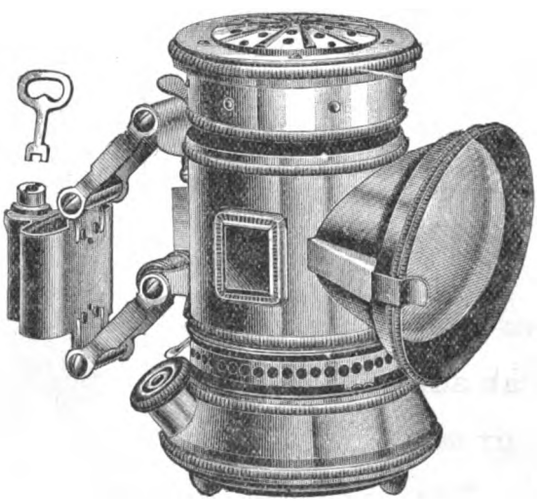
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Have you seen the "VULCAN" TORCH. $3.50 each.

Indispensable to all Dealers in Supplies.

Bridgeport Brass Co.,

Factories, Bridgeport, Conn.



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The "SEARCH LIGHT."

The only First-class Bicycle Lamp.

Burns Kerosene.

Will not go out.

Burns 10 hours.

Made entirely of Brass, Nickel-Plated.

Weight, 15 ounces.

19 Murray St., New York.

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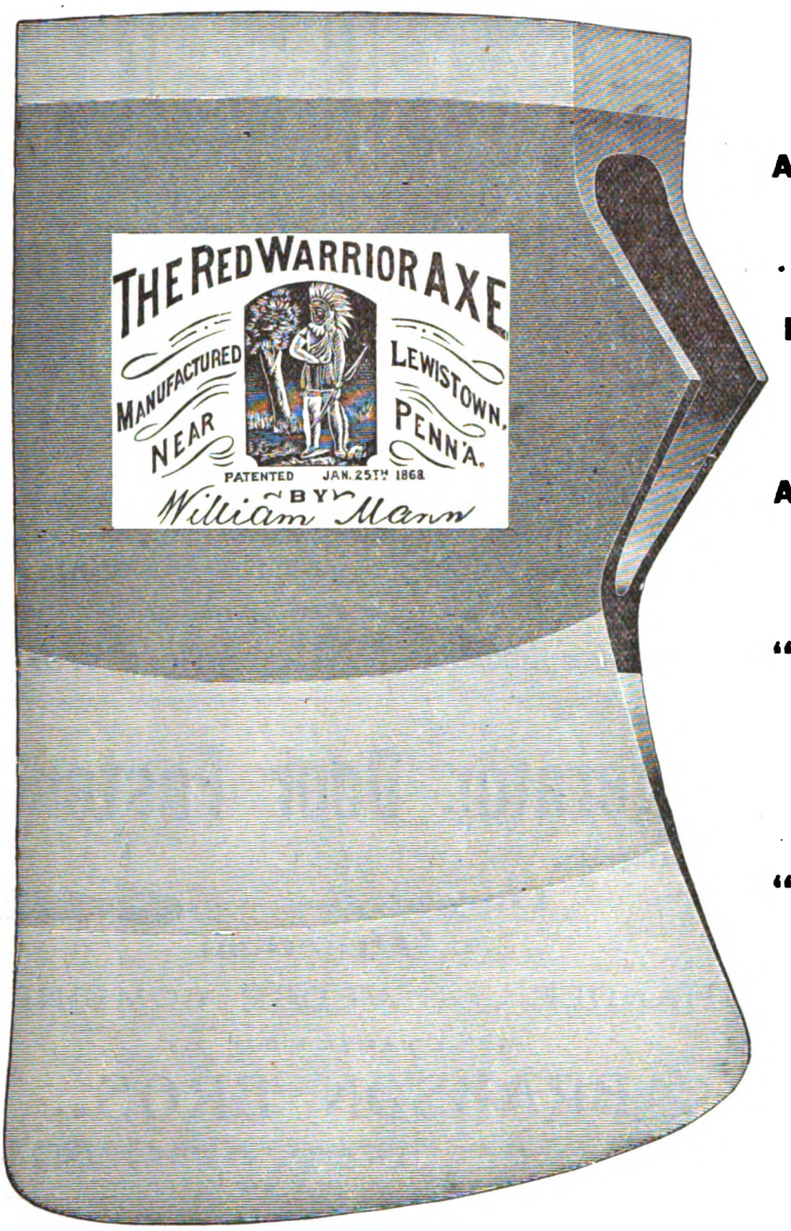
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Telephone Number, 1023 Cortlandt.

253 BROADWAY, - - NEW YORK.

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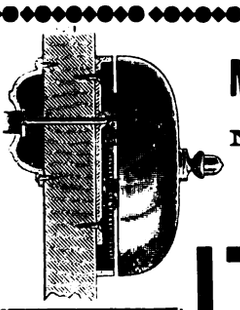
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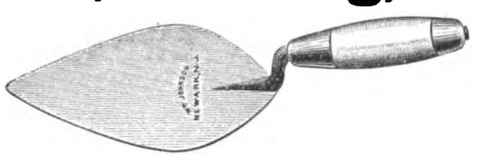


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HAS
NO CLOCK SPRING
REQUIRES
NO WINDING
AND IS
THOROUGHLY RELIABLE.

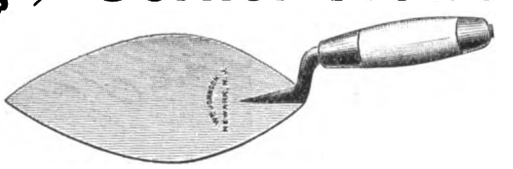
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Produces Electrical Results.
Has No Battery to Get Out of Order.
Operates with a Push-Button.
Rings 75 Times at Each Pressure.
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Requires No Winding.
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Brick, Pointing, Plastering & Corner Trowels.



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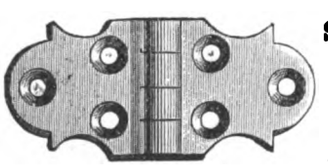
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Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Screwdrivers, Dividers, Conductors' Punches, Revolving and Spring Punches, etc., etc. If you want good articles, insist on your Jobber sending you William Johnson's Goods.

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Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

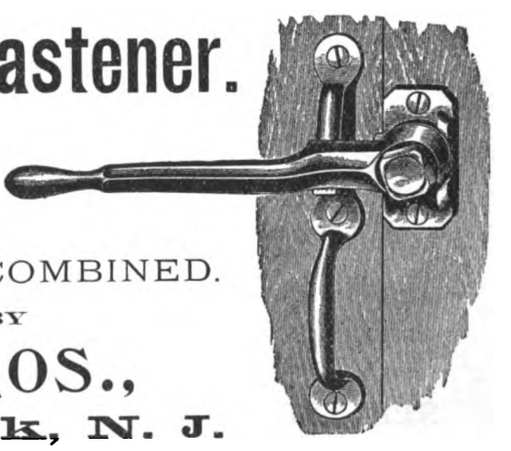
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Simple,
Durable,
Practical.

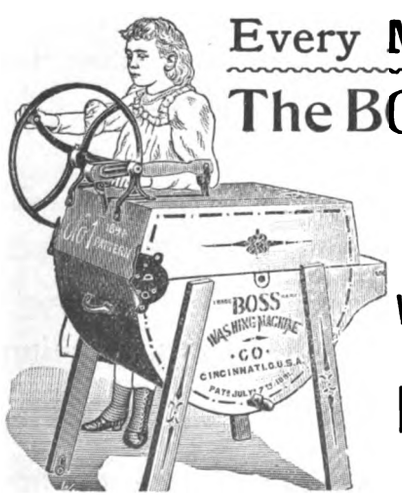
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BRABSON BROS.,
Newark, N. J.



Every Machine Guaranteed to Give Satisfaction.



The BOSS and CHAMPION WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,
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Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

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U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....37 @ 30c

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Rim Fire Cartridges.....50&5&2½%
Rim Fire Military.....15&2½%
Cent. Fire, Pistol and Rifle.25&5&2½%
Cent. Fire, Military and Sporting 15&5&2½%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
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B. B. Caps, Round Ball...$1.75 25&2½%
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B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers $1.20.....7½&2½%

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First quality, 4, 8, 10 and 12 gauge 25&10&2½%
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Brass Shot Shells, 1st quality..60&2½%
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SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

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B.E., 11 up.63c..B.E., 9&10..83c
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P.E., 11 up.1.15..P.E., 9&10...1.50
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} 20&2½%

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Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
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12½ lb 1.90
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[For 1 to 5 lb lots 10% discount.]
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Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....
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Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
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Discounts on application.

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Millers Falls (with drill) $18.00..20%
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Forstner Pat. Auger Bits.....20%
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Cincinnati Tool Co.:
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Standard.....50&10&10%
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Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
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Patent Pegging.....50&10%
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G. W. Bradley's:
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Broad.....40&7½%
Butchers German Pattern.....40%
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Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
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Shingling.....40&5%
Lathing.....40&5%
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Collins.....10%

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Straight Spring balances.....40%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
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Chatillon's Spring Balances.....40%
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Gong, Barton's .....40&10@50&10%
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Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
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Pull, Brooks'.....50&10&2½%
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Eastlake Hand.....65%
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Western.....20&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
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Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

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Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2. $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $8; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%

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Extension:
Millers Falls Barber's, ₩ doz. $15 50%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic.....₩ doz. $3...33⅓%
Excelsior..₩ doz. $10.00....50&10&2½%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $2.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9 00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list 80%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 80&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....80&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.....80%
Eagle Phila., list Oct. 16, '84.....80%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—

Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.35
Bartholomew's:
Nos. 25, 27 and 30..... 60%
Nos. 117, 118, 119.....70@70&5%

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Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled..65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 28, 26, 37.....70&10&5%
Ball Braces, net, ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....85&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...80%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....30&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&5&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....80&80&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned.....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c.....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....60⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 5, Iron Handle, ₩ gr. $6....45@50%
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz. 75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%

Carpet Sweepers—
Bissell's.
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $45.00
Crown Jewel No. 1, $15.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Parlor Queen.....₩ doz. $24.00
Standard.....₩ doz. $24.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-2, ₩ pair, $1.05.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-2, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whilton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%

Coopers' Tools—
Bradley's.....30%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—
Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—
Sargent's List.....20%

Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&5&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Tharter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓&5

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....30%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886. ....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....30%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Action.25 @30%
Ratchet, Billings' Dble. Acting.33⅓&5
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50@11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓&5

Egg Poachers
Morgan Steam, No. 3. No. 5.
₩ doz. $4.20 $6.00.....40%

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Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ℔ lb.	4½c	5c	2½c
½ kegs, ℔ lb.	4½c	5½c	2½c
¼ kegs, ℔ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....65%

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. Western Pattern, Cork Lined.....50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00.....20%
Lane's ℔ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—

DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagl.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't 50&10%

IMPORTED—
Moss & Gamble, List April 1, 1888.15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—

Knox.....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....25&2%
Crown Fluters.....30%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ℔ doz.....$21.00
Keyless M. & I. Co. ℔ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co.....25%
Remis.....℔ doz $3.50
Shepard's Queen City.....40%

Fry Pans—

Standard List:

No.	0	1	2	3	4
℔ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.		5	6	7	8
℔ doz.		$6.00	$7.00	$8.00	$9.00

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—

Bolgiano's New Hot Air Perfection Gas Iron.....℔ doz. $18.00

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ℔ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ℔ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....℔ doz. $6.50

Halters—

Covert Saddlery Works, List 1893.
Rope, ½ in. Jute.....
Rope, ⅛ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%
C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....30@35%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies' Perfect Tack, ℔ doz.....
Nos. 1, $3; 2, $4.....33⅓
Steel Face Shoe.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb...℔ lb 45c
3 to 5 lb.....℔ lb 35c
Over 5 lb.....℔ lb 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c ℔ lb

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as ℔ gr 8.00
} 40%
Worcester Leather Cap'd Chisel.25%
File, assorted.....℔ gr 2.75
Auger, assorted...℔ gr 5.00
Auger, large.....℔ gr 7.00
} 30@
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's.....℔ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 23c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $23 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ℔ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—

Lightning, Mfrs' price ℔ doz $18.00, 45%
Gem.....℔ doz $10
Wadsworth's.....40%
Carter's Needle...℔ doz $11.50@$13.00
Heath's.....℔ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....℔ doz $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T...60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap.
6 to 12 in., ℔ lb 3 9-10c
14 to 20 in., ℔ lb 3 4-10c
22 to 36 in., ℔ lb 2 9-10c
Heavy Welded Hook...
6 to 12 in., ℔ lb 3 9-10c
14 to 20 in., ℔ lb 3 4-10c
22 to 36 in., ℔ lb 2 9-10c
Screw Hook and Eye.
½ in., ℔ doz $1.50
⅝ in., ℔ doz $2.45
¾ in., ℔ doz $3.30
} 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 lb $5.75, over 14 in., ℔ 100 lb.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....35&10%
Empire and Crown.....20%
Stover Ideal ℔ gro.....$12.00
New Idea ℔ gro.....$18.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...25@25&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—
Western.....℔ doz $4.40, 60%
N. E.....℔ doz $7.00, 55%
N. E. Reversible. ℔ doz $5.30, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....℔ doz $5.00, 55&10%
Automatic.....℔ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—
Garden, Mortar, &c.....30%
Planter's Cotton, &c.....30%
Warren Hoe.....65%
Magic.....℔ doz $4.00
Dunlap's:
Boys' hoes.....℔ doz $3.00, 30%
Ladies' hoes.....℔ doz $3.00, 30%
Scuffle.....30%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5&10&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ℔ doz $1.35
Hill's Tongs.....℔ doz $3.00
Hill's Rings...℔ doz bxs $2.15@$1.00
Perfect Rings..℔ doz bxs $1.60@$1.70
Perfect Ringers...℔ doz $2.15@$2.25
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers.....℔ doz $2.00
Champion Rings, Double, ℔ doz $2.25
Brown's Rings.....℔ doz $2.00
Brown's Rings.....℔ doz $1.25@$1.30

Hollow Ware—

IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....
Ironclad Enameled-Ware..33⅓&10%
Rustless Hollow-Ware.....70@70&5%
Triumph Broilers.....50%

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SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother } 40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".....60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Calling.....50%
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	28c	26c	25c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c	30&10%
Essex	28c	26c	25c	24c	23c	40&10&5&5&2%
Lyra	19c	17c	16c	15c	14c	40&10%
Snowden	19c	17c	16c	15c	14c	40&10%
Vulcan	23c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	22c	21c	20c	35@35&5%
A. C.	25c	23c	22c	21c	21c	25&10@33⅓&5%
C. B. K.	25c	23c	22c	21c	21c	33⅓@33⅓&10%
Maud S.	25c	23c	22c	21c	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c	40&5%
Champion.	25c	23c	22c	21c	20c	10&10&10%
Capewell	19c	18c	17c	16c	16c	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	20c	19c	18c	50%
Empire Bronzed						13@14c ₩ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20.....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick.....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen.	$14.40	$18.00	$20.64	$23.40
Each...	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen.	$27.00	$32.40	$41.58	$49.50
Each...	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen.	$65.34	$79.20	$106.90	$136.62
Each...	5.45	6.60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....30%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier..... 25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890...50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Furniture Plain....75c. gro. inch.10%
Furniture, Wood Screws.....35&10%
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lanterns—
TUBULAR—
Reg. No. 0, with Guard...₩ doz. $3.50
O. K., No. 0, with Guard. ₩ doz. $3.75
Side Lift (New), No. 0, with Guard ₩ doz.$4.00
Square Lift, No. 0, with Guard ₩ doz. $4.25
Anti-Friction (New), No. 0, with Guard.....₩ doz. $4.50
Best Square Lift, No 0, with Guard ₩ doz. $5.00
Best Round Lift, No. 0, with Guard ₩ doz. $5.50
Copper Plated Square Lift, No. 0, with Guard.....₩ doz. $5.50
Iron Clad Square Lift, No. 0, with Guard.....₩ doz. $6.00
Reflector Lift Wire, with Guard ₩ doz. $11.00
Side or Dash Lamp.....₩ doz. $6.50
MISCELLANEOUS—
Police, Medium.....₩ doz. $3.60
Large.....₩ doz. $3.90
CARRIAGE LAMPS—
C. Cowles & Co. list.....25&5%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.85 3, $1.65; Queen $3.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Diets, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....35%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Delts.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 109 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&40%
No. 41 line.....50%
No. 61 line.....60%
No. 21 line.....80%
No. 497 line.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ doz.....40%

Nos.			100	150
			$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$36.00	$45.00

American.....80%

Nos.	1	2	3	4	5	6
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $56.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....35%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 35c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓ %
OIL STONES—
Pike's Washita:
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¼ to 2x⅝ to ⅝ at back, ⅛ to 5-16 edge ₩ lb .80
No. 1, (same sizes as above) " .70
No. 2, " " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.

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Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2 " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb..... .24
" 2x2x¾, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb..... 3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ ₩ lb..... 4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2" 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ½ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x⅜ to 1 ₩ lb..... .10
Special Axe, 2½x1¼x⅛ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1¼, weight about 1¼ lb, ₩ lb..... .05
Large, 8¼ to 9x2¾x2, weight about 2 lb, ₩ lb..... .06
Small table, 9 to 9¼x2¾x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .30
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N.Y. B. & P. Co., 1846-Para.... 40&10%
N.Y.B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade. .60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing..... 14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00..... 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White.....25%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stube'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
Button Pattern, 8 in. $7.50; 10 in. $10.50.
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5¼ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's..... .....40&10%
Stanley's..... .....75%
Regular List..... .....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels..... .....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt., ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Post Hole and Tree Augers and Diggers—
Samson Post Hole Digger, ₩ doz. $26.00, 25&5%
Fletcher Post Hole Augers, ₩ doz. $28.00
Eureka Diggers.....₩ doz. $13.00
Leeds'.....₩ doz $8.00
Vaughan's Post Hole Auger, ₩ doz $12.00
Kohler's Little Giant...₩ doz $18.00
Kohler's Hercules.....₩ doz $14.00
Kohler's Invincible....₩ doz. $12.00
Kohler's New Champion.₩ doz $8.00
Kohler's Scheidler.....₩ doz $18.00
Ryan's Post Hole Diggers, ₩ doz $24
Gibbs' Post Hole Digger, ₩ doz. net ₩ doz $12.75
Gibbs' Imperial....net ₩ doz. $7.50
Gibbs' Columbia...net ₩ doz. $12.00
Gibbs' National....net ₩ doz. $12.0
Gibbs' Hustler.....net ₩ doz. $10.

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.30, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. ... .60%
Levin Pruner, No. I, $15.00 ₩ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&3%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
deal.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.72.....50%.
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
Myers', low lists.....50%
Punches—
Saddlers' or Drive, good.₩ doz.60@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65%
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&5%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&5%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4.40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake. $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	30%
Boys' rakes				₩ doz	$3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2 $2.50.					25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth.....$2.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Retrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40%

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 36 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜..... ₩ lb 8¼c
Manilla, ¼ and 5-16..... ₩ lb 8¾c
Sisal, 7-16 and larger.... ₩ lb 5¾c
Sisal, ⅜..... ₩ lb 6¼c
Sisal, ¼ and 5-16..... ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope..... ₩ lb 16 to 17c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila.....¾in ₩ lb 7¼c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 6¼c
Sisal, Hay Rope..... ₩ lb 5¼c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1% for cash in 10 days.
Cotton Rope..... ₩ lb 11@18c net
Jute Rope..... ₩ lb 5@6c net

Rules—
Boxwood.....30%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set. ..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .75 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—
Giant.....40%
Monarch.....50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....35%
Steel Cable.....2[illegible]

Sash Cord—
Common.....₩ lb 10@11
Jute, good quality.....₩ lb 11
White Cotton Braided, fair. ₩ lb 2[illegible]
Common Russia Sash..... ₩ lb 16
Patent Russia Sash..... ₩ lb 15
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White.....3[illegible]
A Quality, Drab.....2[illegible]
B Quality, White.....[illegible]
B Quality, Drab.....30&10%
C Quality, White (only) 26½c @ 28c
Sylvan Spring:
Extra Braided White..... 35c
Extra Braided Drab..... 37½c

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No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....₩ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....35%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..35c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished...₩ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $16.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $3.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets. ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Roissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold.....₩ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%

Scales—
Union Platform Plain...$3.10@$3.20
Union Platform Striped. $3.20@$3.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '83..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....₩ doz., $4.00, 10%
Box, 2 Handle.....₩ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....₩ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perfection Screens...50&5@50&10%
Window Screen Frames...50&10@ 50&10&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 70@90c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..75%
Rogers Drive Screws.....33⅓%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5&10%
Jack Screws, Millers Falls, without Roller Bearing.....6%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Scythe Snaths—
List.....50&5&2@50&10&2%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Ship Tools—
L. & L. J. White.....20&5%
Albertson Mfg.....25%
Berea.....₩ gr. 8.00
Norway Rasp:
Rough Finish.....₩ gr. 14.00
Light smooth.....₩ gr. 18.00
Heavy smooth.....₩ gr. 20.00
Discount 25%; 5-gross lots and over, 33⅓%; f. o. b. factory, 60 days; 2% cash.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Boss, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow.....₩ ℔ 4c

MULE—
Add $1 ₩ keg to above prices.

OX, WROUGHT—
Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20% [Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ₩ doz. $2.00
Hunters.....₩ doz. $3.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....30%
Stearns'.....30&10%
Millers Falls.....25%

Spoke Trimmers—
Bonney's.....40@40&5%
Stearns'.....30&10%
Ives', No. 1, $15.00; No. 2, $12.00, ₩ doz 55&10%
Douglass'.....₩ doz $9.00, 20%
Cincinnati.....25%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&16&10
L. Boardman & Son.....50&12½&
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½& 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron..... } 60%
Nickel-Plated..... }
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Straps—
Covert's:
Ever Ready, Blanket.....33⅓%
Hame.....33⅓%

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ₩ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ₩ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ₩ box.....$2.75

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Best Steel, Tinned or Coppered, 4 oz. papers, ₩ box.....$5.15
Atlas "Home" Tacks:
No. 50, ₩ carton.....$3.00
No. 50, ₩ case..... 36.00
No. 100, ₩ carton..... 6.00
No. 100, ₩ case..... 72.00
} 50%

CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc, Swedes Iron.....50%
Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case..... 80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2½
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Tobacco Cutters—
Enterprise.....20%
Wood Bottom.....₩ doz $5.00@5.25
All Iron.....₩ doz $4.25
Nashua Lock Co.'s ₩ doz $18.50@55%
Wilson's.....55%
Sargent's.....₩ doz $24, 55&10%
Acme.....₩ doz $20, 40%
Blacksmiths Tongs.....30&10%

Tongs, Blacksmiths'—
Heller's Steel.....40&10%
Stearn's.....25%
Wrought Jaw.....75&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—

GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 3@10%
S.T.....₩ doz $6.00, 20%
Monse, Round Wire. ₩ doz $1.50, 30%
Mouse, Cage, Wire..₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Lothrop's Brick and plastering.25 @25&5%
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Preatiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Wagon Jacks—
Samson.....30&10%
Covert's:
Daisy.....33⅓%
Victor.....33⅓%
Millers Falls.....25%

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd. Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....30&10%
Picture Wire.....New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting.....30&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby..... 25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&5%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....30&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut. 40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓&5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.... .....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—

IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30. Erie, 11 inch	27.00
No. 55, King, 11 inch	38.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 2, "Zenith" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3. Zenith, 11 inch	19.00
No 4, Zenith, 12 inch	21.50

WOOD—

No. 40. Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99. Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OIL, VARNISH, ETC.

Oils—

Linseed, City, Raw.....₩ gal.	50c
Linseed, City, Boiled.....₩ gal.	52c
Linseed, Western, Raw...₩ gal.	54c
Lard, City, Extra, Winter. ₩ gal.	56c
Lard, City, Prime. .....₩ gal.	54c
Lard, City, Extra No 1...₩ gal.	50c
Lard, City, No. 1.....₩ gal.	45c

Paints and Colors—

Barytes, Foreign ₩ ton	$22.00@$25 00
Barytes, American, Floated.....₩ ton	$26.00@$28 00
Barytes, American, No. 1..... ₩ ton	$16.00@$18.00
Barytes, American, No. 2.....₩ ton	$13 60@$15.00
Barytes, American, No. 3..... ₩ ton	$11.00@$12.00
Paris Green, in bulk	23c
Paris Green, small pack	29c
Lead American, White	4¼@4¾c
Lead. Dry in Oil	5¼@6¼c
Lead, Red, in kegs	5¼@6c
Litharge, in kegs	5¼@6c
Zinc, American, Dry	3¼@4½

Putty—

In Barrels and half bbls.	.01⅜@.01¾
In Tubs	.01⅝@.01¾
In Tin Cans	.01¾@.02½
In Bladders	.02¼

Spirits Turpentine—

In regular barrels.....₩ gal.	30½c
In machine barrels.....₩ gal.	31 c

Varnishes—

Smith's:	
Spar Coating	$4.00
I.X.L. No. 1	$2.75
Best Rubbing, Palest	$4.00
Piano Polishing	$4.00
Coach Japan	$1.75
Extra No. 1 Coach	$2.50
No. 1 Coach	$2.25
Lt. Hd. Oil Finish	$2.25
Dark Hd. Oil Finish	$1.85
Wearing Body	$6.00
Rubbing Body	$4 50
Quick Rubbing	$3.50
Black Rubbing	$4.50
Rough Stuff	$2.50
Umber in Oil.....₩ lb	.20
Sienna in Oil.....₩ lb	.22
Ochre in Oil.....₩ lb	.13
Window Blind Green in Oil..	.21
Chrome Yellow in Oil...₩ lb	27
Indian Red in Oil.....₩ lb	.21
Dealers' Discounts in large lots	25%

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS, TROY, N.Y.

DEALING IN THE ALASKA PAYS.

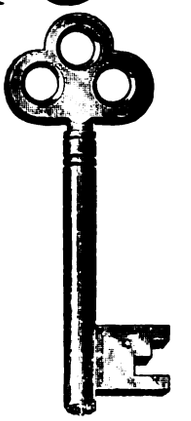
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than **1000** List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A1 CUTLERY salesman with New England, Middle Atlantic States and local trade, wants situation at once. Is also Hardwareman. Address Traveler, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL designer and model maker, who has some original ideas that he wishes to make practical use of, would like a position with some company or firm who are open to business of that character. Address Model, care HARDWARE, No. 143 Chambers Street, New York City.

A PLUMBER. Fully experienced and competent; capable to take charge; quick workman; moderate wages; city or country. H. Webber. care of S Fullerton, No. 228 Chrystie Street, New York City.

A PLUMBER wants a situation, city or country; capable of taking charge of shop and estimating on all kinds of work; quick workmen. Medium wages; understands buying. Address John Toohey, No. 2291 Third Avenue, New York.

AN experienced traveling man desires position with manufacturing concern to represent them in one or more large cities. Best of reference. Address A. J., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced salesman in shelf, heavy and carriage Hardware, desires a situation. Can furnish best of references. Has an established trade. Address L., care HARDWARE, No 143 Chambers Street, New York.

WANTED, by a young man seventeen years of age, a position in Hardware store, wholesale or retail; has had three years' experience; best of city reference. Address Francis Pielow, No. 210 East Thirty-eighth Street.

AMERICAN, aged twenty-nine, disengaged October 15th, desires situation Twelve years business experience with leading manufacturers. Understands bookkeeping, correspondence, general office work, etc. Address American, care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

AN experienced salesman with extensive acquaintance among the larger buyers of builders' Hardware, calling frequently on the trade in Philadelphia, Pittsburg, Baltimore and Boston, and having office in New York City as agent for a first-class manufacturer, is anxious to represent an additional company. Address W. H. E., care HARDWARE, No. 143 Chambers Street, New York.

A WELL-KNOWN business man, of financial responsibility, a good salesman, will establish CHICAGO office October 1st and wishes to obtain agency of manufacturers of Hardware specialties, or any goods that can be sold to jobbers. Manufacturers of any such goods, seeking an outlet, will find this an excellent opportunity. The commercial credit and business references of the party are the very best. Address "Chicago Agencies," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Sales agency. Manufacturers of leading lines of Hardware or kindred goods, who are not properly or sufficiently represented to the jobbing trade, in territory between Pittsburg and Omaha, would do well to correspond as below. "Business," care HARDWARE, No. 143 Chambers Street, New York City.

I WANT to handle, on commission, in Philadelphia vicinity, the output of some building Hardware manufactory. Have thorough acquaintance with architects, builders and Hardware people. Good reference. Address Grant G. G. Gist, No. 721 Jayne Street, Philadelphia, Pa.

TO MANUFACTURERS.—If you desire to increase your sales communicate with the advertiser, who represents a Hardware Manufacturing Co., and is open to add to his line of representation. He has a large personal acquaintance with domestic and export trade. Address New York Representative, care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Wanted.

TRAVELING Salesman wants A-1 Specialties or Staple Hardware lines. Cutlery, Sporting Goods or Tools. Ohio, Michigan and Indiana. Established trade. A-1 reference. M. I. Lee, Toledo, Ohio. General delivery.

Side Lines Offered.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No 115 North Vine Street, Hazleton, Pa.

WANTED—First-class salesmen will find it to their interest to correspond with the Sun Mfg. Co., Greenfield, Ohio, in reference to their Combined Show Case Money Drawers, and other scheme goods, to carry as a side line.

Business Opportunities.

TO EXCHANGE a business lot with a brick building on same, located on North Main Street, a paved street with electric cars passing the door; also a finely improved farm of 160 acres in Sedgwick County, Kansas, all clear for a modern stock of *shelf* Hardware. Address McKnight & Co., Wichita, Kan.

Law and Collections.

PLACE your Chicago Collections and *legal business* with SAYLER & FRAZER, Attorneys-at-Law, 171 La Salle Street (N. Y. Life Building), Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mf'r, **ISAAC CHURCH,**
Send for Catalogue. **Toledo. O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Union Metallic Cartridge Co., Bridgeport, Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York
Surpless, Dunn & Alder, New York.

Babbitt Metal.
Bruce & Cook, New York.

Beaters.
A. J. Hambel, Chicago.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg. Co, Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn, and New York.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co, New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York

Bicycles and Bicycle Sundries.
Arlington U. Betts & Co. Toledo, O.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Bridgeport Gun Implement Co., New York.
Cushman & Denison, New York.
Grand Rapids Cycle Co., Grand Rapids, Mich.
J. P. Lovell Arms Co., Boston.
New York Belting & Packing Co. Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Quadruped Novelty Co., Canton, Ohio.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Samson Cordage Works, Boston.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Irons.
Bolgiano Mfg. Co., Baltimore, Md.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford, Conn.
Surpless, Dunn & Alder, N. Y.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co, Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Kell & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

Hinges.
Th. M. Hass, New York.
Francis Kell & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Reels.
Surpless, Dunn & Alder, New York

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Dangler Stove & Mfg. Co., Cleveland, O.
Edward Miller & Co., Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, Nnew York.
Surpless, Dunn & Alder, N. Y.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Kell & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

Masons' Lines.
Samson Cordage Works, Boston.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Dangler Stove & Mfg. Co., Cleveland, O.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

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Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

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Ames Sword Co., Boston.
John H. Graham & Co., New York.
Surpless, Dunn & Alder, New York.
Tower & Lyon, New York.

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Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Planes.
Tower & Lyon, New York.
Surpless, Dunn & Alder, N. Y.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg Co., Boston, Mass.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co, Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.

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E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
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Gibbs Mfg. Co., Canton, O.
Surpless, Dunn & Alder, N. Y.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Kell & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton, O.
Fostoria Steel Roofing Co., Fostoria, O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.
Surpless, Dunn & Alder, New York.

Rubber Mats.
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N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.
Surpless, Dunn & Alder, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Kelley, New York
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Samson Cordage Works, Boston.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
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Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shovels.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Charles Perkins, Bridgewater, Mass.
Union Hardware Co, Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snaps, Harness.
W. & E. T. Fitch Co. New Haven, Conn.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
Tuck Mfg. Co., Brockton, Mass.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Tom Moore, New York and Brooklyn.

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Francis Kell & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

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Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Step Ladders.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Dangler Stove & Mfg. Co., Cleveland, O.
Edward Miller & Co., Meriden, Conn., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Tapes.
Keuffel & Esser Co., New York.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Telephones.
Stanley & Patterson, New York.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tobin Bronze.
Ansonia Brass & Copper Co., New York.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Tuck Mfg. Co., Brockton, Mass.
Charles Weiland, New York.

Torches.
Dangler Stove & Mfg. Co., Cleveland, Ohio.
Bridgeport Brass Co., Bridgeport, Conn., New York.

Traps.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trowels.
William Johnson, Newark, N. J.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
Ansonia Brass & Copper Co., New York.
Wilmot & Hobbs Mfg. Co., New Haven, Conn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Vapor Stoves.
Dangler Stove & Mfg. Co., Cleveland, O.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.

Vises.
Athol Machine Co., Athol Mass.
Billings & Spencer Co., Hartford, Conn.
Prentiss Vise Co., New York.
Todd-Donigan Iron Co., Louisville, Ky.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.
Diether & Barrows, Fort Wayne, Ind.
Horton Mfg. Co., Fort Wayne, Ind.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
National Lead Co., New York.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.

Wire, Manufacturers.
Ansonia Brass & Copper Co., New York
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cutter.
Billings, Spencer & Co., Hartford Conn.

Wire Goods Manufacturers.
E. T. Barnum, Detroit. Mich.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Novelty Wire Goods Co, New Haven, Conn.
A. J. Phillips Co., Fenton, Mich.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

Wrenches, Manufacturers.
Billings & Spencer Co., Hartford Conn.
Coes Wrench Co., Worcester Mass.
Gwinner Mfg. Co., Hamilton, O
A. S. Henn & Co., New Haven Conn.
Surpless, Dunn & Alder, New York.
Tower & Lyon, New York.

Wringers.
Colby Wringer Co., Montpelier, Vt.
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Reading Hardware Co., Reading, Pa.

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Williamson (C.T.) Wire Novelty Co 2
Wilmot & Hobbs Mfg. Co....1
Winslow (Samuel) Skate Mfg. Co. 18
Wire Goods Co....76
Wiss (J.) & Sons....53
Woodman (R.) Mfg & Supply Co. 55
Wooster, F. V....76
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THE ROEBLING STANDARD WIRE LATHING,

"JERSEY" POULTRY NETTING and FARM FENCING,

PAINTED AND GALVANIZED WINDOW SCREEN CLOTH,

AND EVERY KIND OF

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The Peck, Stow & Wilcox Co.,

Manufacture a large line of MACHINISTS' and CARPENTERS' tools of the highest grade and best quality.

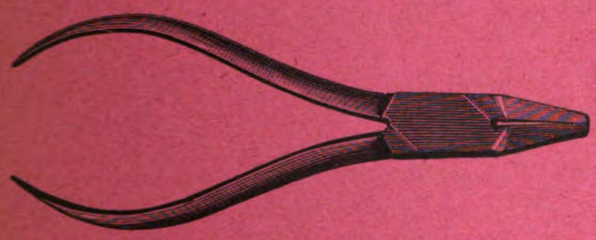


SOLID STEEL SIDE CUTTING PLIERS. These goods are SOLID FORGED from the best quality of steel, have RAISED CUTTERS, and are equal in every respect to any goods of the kind manufactured. Largely used by telephone and telegraph companies. For jewelers and fine machinists, we furnish these nickel plated. The sizes are 5, 6, 7 and 8 inches.

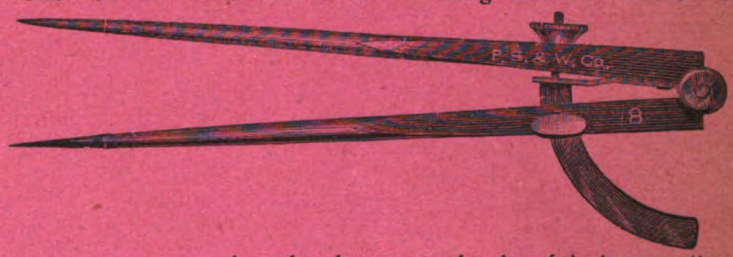
CAST STEEL SAFETY SIDE CUTTING PLIERS. The handles are covered with a patent insulation, specially made for the use of linemen, electricians and others, who wish to cut wires heavily charged with electricity. Tested to insulate against a current of 2,500 volts. The insulated covering is not brittle and will not flake off. The tool is of solid cast steel. Every trolley car should carry one of these pliers as a protection against accidents and a security of life. Made in three sizes, 6, 7 and 8 inches.



CAST STEEL PLIERS. Flat and Round Nosed. Our Nos. 20 and 25 are made of the highest grade of steel, are finely tempered, and are superior to any goods made in the country. Their quality and finish cannot be surpassed. Our Nos. 200 and 250 are made with lipped joints, are of solid steel, at somewhat less price than our other grade, but very much superior to imported goods.



CAST STEEL WING DIVIDERS. These goods of our make are so favorably and well known among the trade that they need no further recommendation.



BUTTON'S PATTERN COMBINED PLIERS and CUTTING NIPPERS. These goods are solid steel forged and guaranteed to be of the best quality. Made in sizes from 4½ to 12 inches.



AUGER BITS, SOLID CAST STEEL, DOUBLE SPUR. Furnished in sets or by the dozen. Full line, finely finished and well tempered.

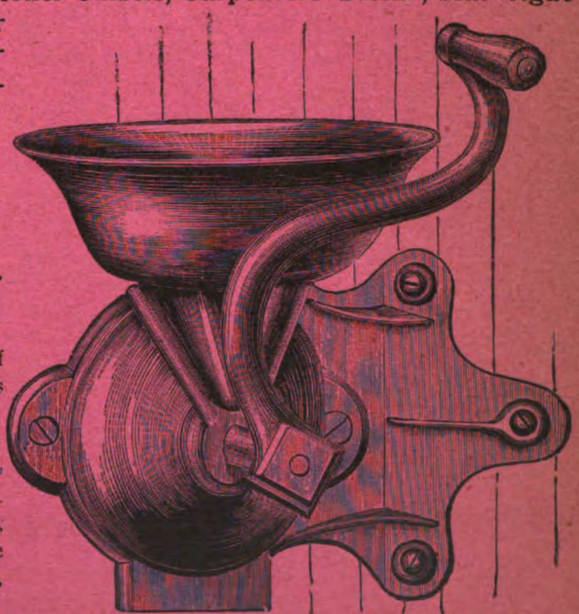


Carpenters' Pincers, Saddlers' Punches, Compasses, Calipers, inside and outside, Shingling Hatchets, Claw Hatchets, Half Hatchets, Hunters' Hatchets, Boys' Axes, Machinists' Hammers, Farriers' Hammers, Socket Firmer and Framing Chisels, plain or with beveled edges, Corner Chisels, Carpenters' Snicks, Millwright Chisels, Paring Chisels, Millwright Gouges, Tanged Firmer Chisels and Gouges, Socket Firmer Gouges, Socket Firmer Paring Gouges, Drawing Knives, Razor Blade and Carpenters', Coach and Wagon makers'.

If the above named goods bear the stamp of the

P. S. & W. Co.

it will be a guarantee of their excellence.



THE POPULAR COFFEE MILL. This mill, the illustration of which is here shown, is in truth a **Popular Coffee Mill** on account of its superior quality as a grinder, and because it can be placed anywhere against the wall. It is so made that it projects at an angle of about forty five degrees from the wall, and unlike other side mills it is not necessary to find a jamb or corner on which to fasten it. It can be put up anywhere. It is well made and strong, is furnished in two sizes, known as No. 1 or 2, and can be retailed for 50 or 60 cents each. No dealers' stock is complete without this mill. We also make a large line of box and side coffee mills, of modern designs and with the latest improvements.

THE TRIUMPH

SIMPLE IN CONSTRUCTION.

A New Meat Chopper of the Highest Grade and Best Quality

Of Great Power. Adapted to a Variety of Uses.

THE TRIUMPH OF SUCCESS. THE TRIUMPH OF ACHIEVEMENT. THE TRIUMPH OF INVENTIVE GENIUS.

All the Essential Qualities in the Best Family Meat Chopper are found in the TRIUMPH.

TINNED TO PREVENT RUST.

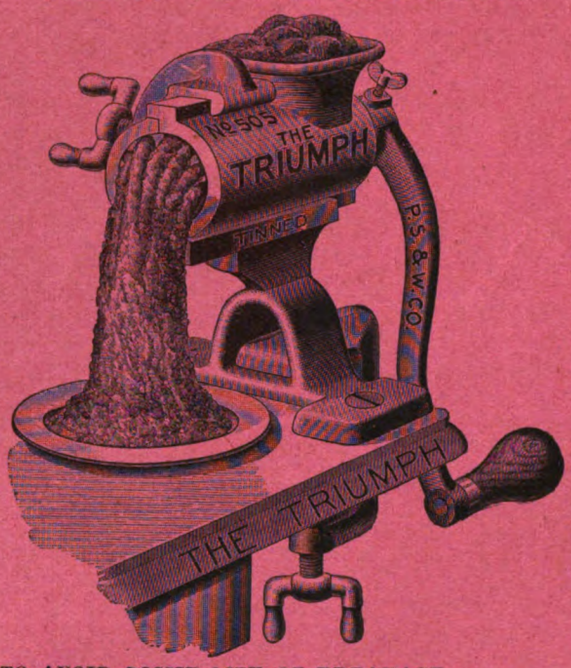
THE NEW

"Triumph" Meat Chopper

THE TRIUMPH OF DISCOVERY.
THE TRIUMPH OF VICTORY.

The Cheapest and by far the Best Meat Chopper ever Manufactured.

ALL TRIUMPH CUTTERS ARE TINNED.



A remarkable statement, unsolicited, coming to us under date of Oct. 21, 1892, from a party very familiar with all the Meat Cutters now on the market, and thoroughly acquainted with their method of construction, capacity and ease of operation:

"I have been experimenting all day with the **Triumph Meat Chopper.** As an all-round family machine it has no equal. For cold cooked beef, either fresh or corned, it will beat all others to death; also on all fat meat without any lean or any hard substance to hold the fat; it excels all others way out of sight. There is nothing so far devised or invented that will prepare apples for mince pies like this machine. It also cuts potatoes for hash. But I want to emphasize its capacity for cutting apples for mince pies; in this particular it excels everything in existence. While for cutting raw beef, or pork for sausages or hash, or for any other substance, it is unquestionably what you have already termed it, **'The Triumph of inventive genius.'"**

THE PARTS ARE SO FORMED AS TO AVOID POSSIBILITY OF BREAKAGE.
THERE ARE NO SCREWS OR NUTS TO TAKE OFF AND LOSE.
THE CUTTING MECHANISM NEVER GETS OUT OF ORDER.
THERE ARE ONLY THREE PARTS TO CLEAN.
IT IS THE ONLY CUTTER THAT CAN BE CLEANED BY MERELY PUTTING THE CUTTING PARTS INTO HOT WATER.

No sharpening is ever needed, therefore no extra knives or discs are required. Pieces of bone or wood in the substance to be cut, will not break it. It will cut all kinds of meat, however stringy, fat, lean, raw, cooked, dry or tough. It is a hardy machine that will endure rough usage. It will work as well every time it is used as at first, and for household use it will last a lifetime. It will also cut many kinds of vegetables.

A PENNY SAVED IS A PENNY EARNED.

A Few Grains of Common Sense.

In these hard times we need to economize in our food, not by going without, but by seeing that we have enough, and not too much, that it is healthy and nutritious, and that none of it is wasted.

If you buy a porterhouse steak, you have a long fag end to give to the cat. If you buy a sirloin, you have a small piece that is tender and juicy, and a large piece that is tough, stringy and dry.

If you buy a round steak you need a remarkably good butcher or remarkably good teeth.

If you have a Triumph Meat Cutter, you do not need to worry because you cannot get a steak that just suits you. Whatever you get, run it through the meat cutter and make it into flat cakes. You can then broil it, which is best, or fry it, which some people do. Besides if cut, it can be seasoned all through; all parts are thoroughly mixed, the juicy parts flavor the dry parts, and the whole is both delicious and nutritious. Moreover, to cut it fine aids digestion. Beef is one of the most nutritious of all meats, and with the exception of mutton and venison the most readily digested, if chewed fine. If swallowed in umps, digestion is retarded.

What we claim for the Triumph Meat Cutter is that with it you can cut your meat thoroughly. No strings, no bits of muscle, not even bits of bone are found in its product. If you want your beef in small pieces, run it through once; if still finer, twice. For Hamburg steak it cannot be chopped too fine.

We have no word to say against other meat cutters. They have a broad field, and all have their good points; but we do say that for family use, the Triumph cutter has never yet been equaled. It has no complicated machinery to adjust, no difficult parts to wash. Any servant girl can be taught to put it together and to use it in two minutes.

For those who cannot afford to buy the better grades of steak it is invaluable. Any piece of beef after going through this meat cutter can be made into good steak by making it into a flat cake. We do not say that a neck piece will be made as nice and juicy as porterhouse, but we do say that it can be made both palatable and digestible.

Some people reject meat cutters because they do not make good hash. It is true that no meat chopping machine will leave boiled potato in pieces. If you want it that way the old fashioned chopping knife, with all the time and trouble it takes to use it is your best recourse. But for mince pies, Hamburg steak, croquettes, and many other dishes of the kind, nothing can equal a meat cutter, and no cutter can equal the Triumph.

Until your dealer learns its value and carries it in stock, write to

THE PECK, STOW & WILCOX CO., Southington, Conn., or New York.

Who will deliver it any where in the United States, express prepaid, for $1.75. Your Hardware dealer should sell it to you at the same price.

CLINTON WIRE CLOTH CO.,

Manufacturers of every description of

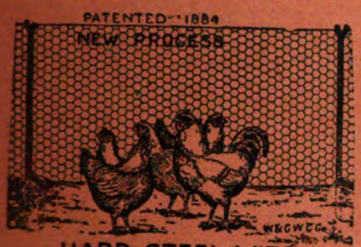
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HARD STEEL GALVANIZED WIRE NETTING.
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Patents Pending.

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Labor-Saving
CARPENTERS'
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STANLEY
RULE & LEVEL CO.
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SOLD BY ALL
Hardware Dealers.

Double-Ender Block Plane



This Plane has two slots, and two cutter seats. It can be used as a Block Plane; or, by reversing the position of the cutter and the clamping wedge (see dotted lines in the engraving), it can be used to plane close up into corners, or places difficult to reach with any other plane.
No. 130. Block Plane (Double-Ender), 1¾ inch Cutter, $0 80



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in the U. S. Write for prices.
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Louisville, Ky.

EXPANSION BOLTS.



Manufacturers of Single and Double,
For fastening all kinds of Structure to Brick and stone Work. Catalogue furnished on application
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The "M & P" Friction Drop Hammer.

Entirely New Principle for Working the Rolls.
Positive and Quick Action---Strong and Durable.

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TO JAR LOOSE.

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ALL KINDS IN STOCK.

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Mallets and Bung Starters.

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IMITATING THE

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FAC-SIMILE OF AUSABLE BOX AND BRAND.



Genuine Ausable Nails are packed in boxes bearing their FULL NAME and Trade Mark.

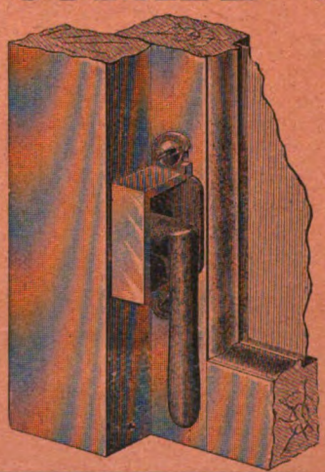
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BEST DEVICE EVER INVENTED FOR FASTENING

OUTSIDE WINDOWS.



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LABOR and
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Mounted samples, by mail, 15c.

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Illustration of a Gent'eman's Tool Chest.

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Handy Tool Chests and Gentlemen's Tool Chests with Drawer.

All fitted up complete with a Superior Quality of Tools.

MACHINISTS' EMPTY TOOL CHESTS.

Our Illustrated descriptive catalogue, with prices, will be forwarded to the trade and others on written application.



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HARDWARE EXCLUSIVELY.

A Review of the American Hardware Market.

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Mfrs. of the Celebrated Copperized Steel Anti-Rust
OILERS, Engineers' and Steamboat Sets.
We carry full stock at New York Store, No. 2 Murray St.
For sale by all leading Jobbers.





A Perfect Stove Polish. Dustless. Odorless
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PAPER SHOT SHELLS, WADS, PRIMERS, &c.
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Ask your dealer for U. M. C. Goods.

Why Not Read Page 12?

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Cleveland, Ohio.



Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

ORANGE EXTRA
SPORTING POWDER.
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These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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Ingot Copper.

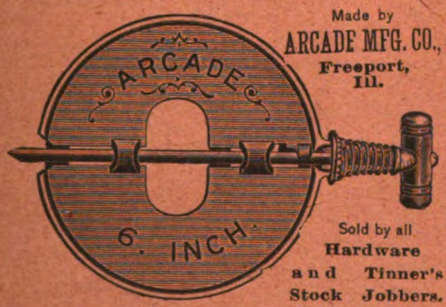
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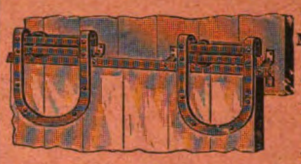
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THE 3½ AND 4 INCH ARE THE BEST IN THE MARKET FOR SCREEN DOORS.



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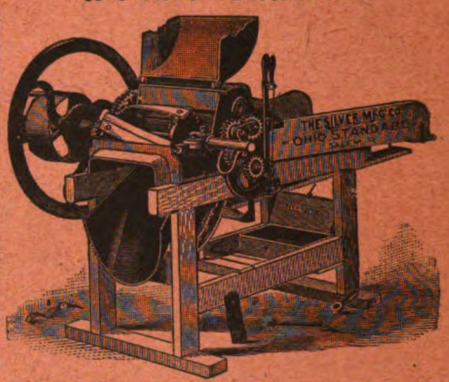


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Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.
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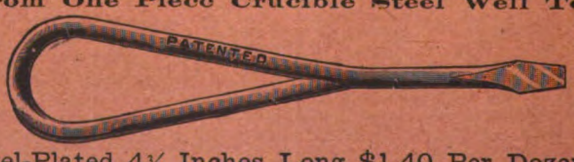


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Manufacturers of Wire Specialties for the Trade.

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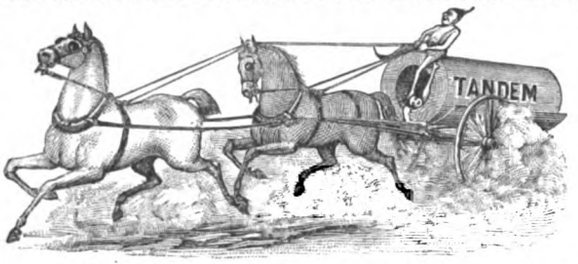
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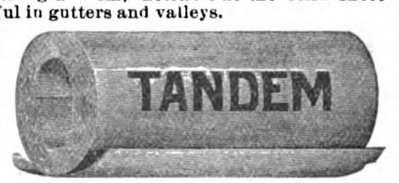
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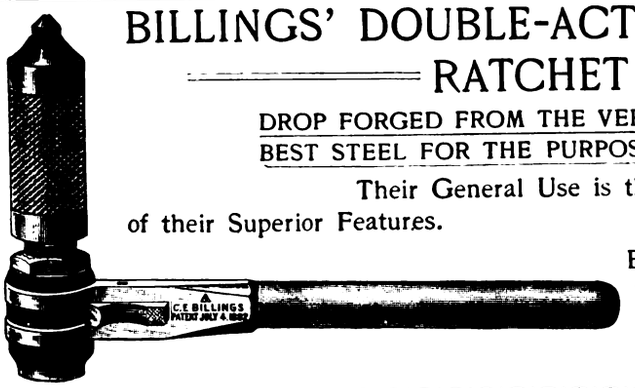
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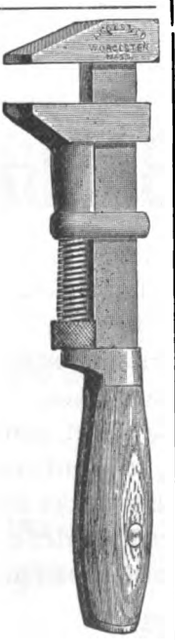
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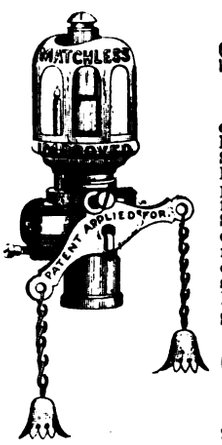


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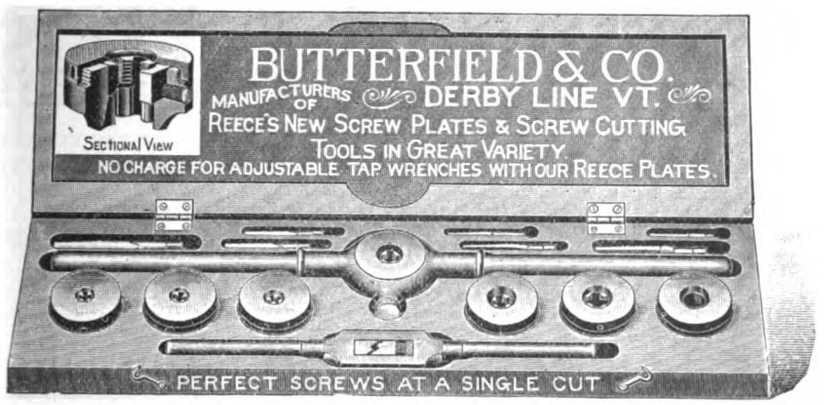
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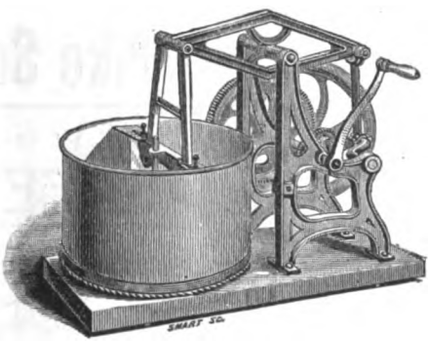
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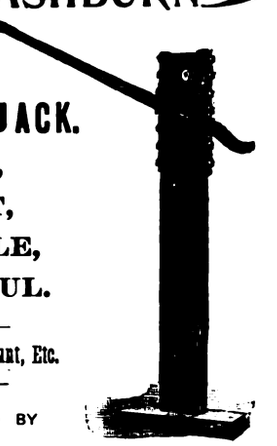
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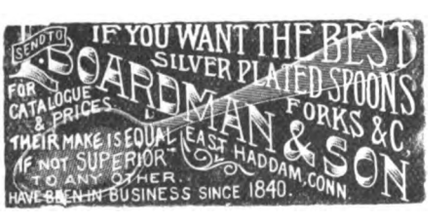
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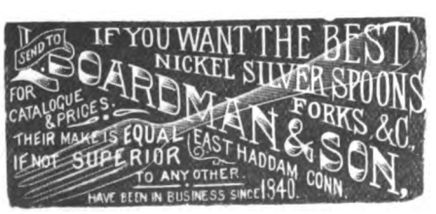
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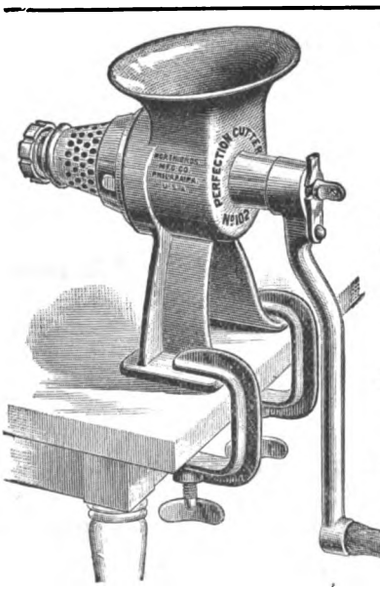
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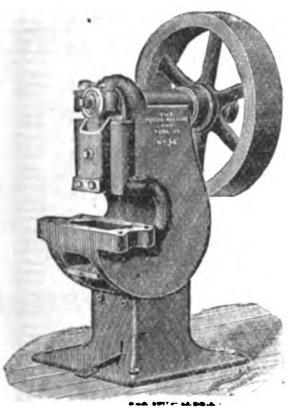
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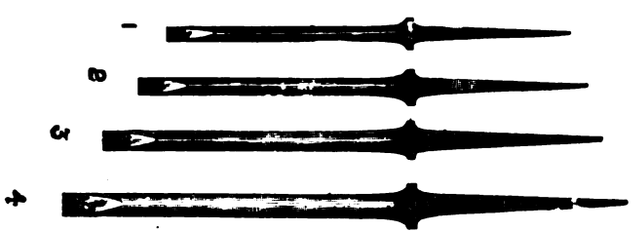
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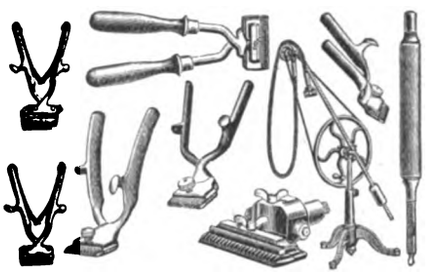
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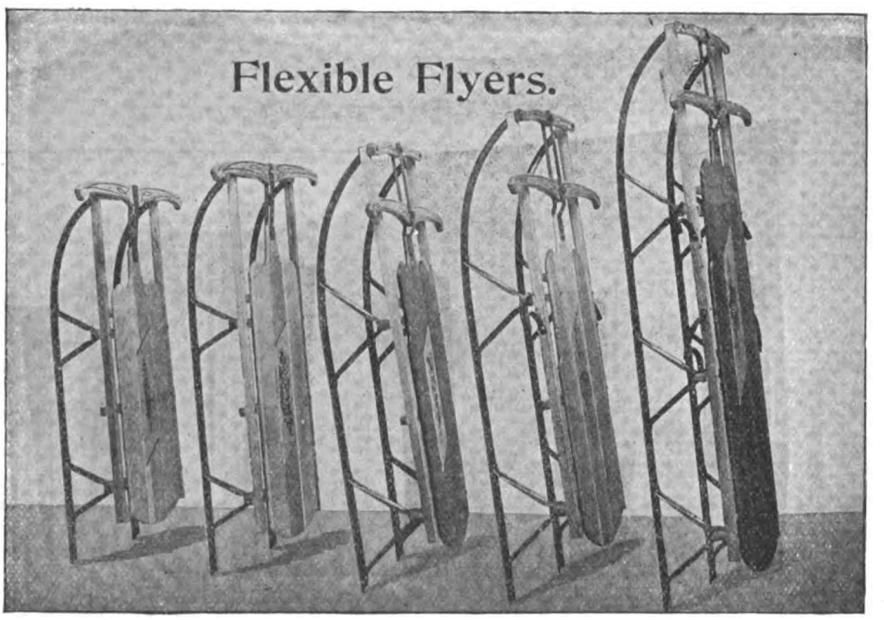
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A SLED THAT STEERS



Snow is beginning to fly and we want to tell you that "**Flexible Flyers**" are also flying to the Hardware trade all over the country. We want you to make a start with us this year, and if you have not already done so, get prices and samples at once. "**Flexible Flyers**" proved good sellers last year, and we shall make an increased retail demand for them this season by extensive advertising this month and next.

S. L. Allen & Co.,

(Mfrs. of the Celebrated "Planet Jr." Goods.)

Patentees and Manufacturers,

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MERK CHRISTMAS TREE HOLDER!

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BUY THE BEST!

Christmas Comes But Once a Year.



If you want to make your home pleasant and cheerful during the holidays BUY A MERK CHRISTMAS TREE HOLDER, made of iron, neatly finished in gold bronze, a great improvement over any heretofore made. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. If desired the tree can be revolved. Sample tree holders sent by express prepaid upon receipt of **$1.** Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the **ALLENTOWN HARDWARE WORKS,** ALLENTOWN, PA.

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WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

WOOD MANTELS.



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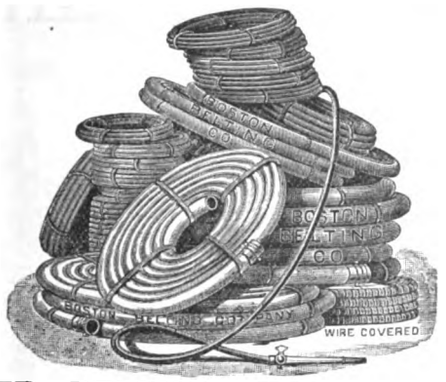
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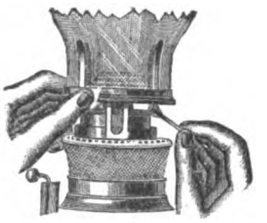
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

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B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

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Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

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Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

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Nos. 34 and 35 South Street. NEW YORK

P. S. STUB'S FILES.
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NEW .22—CALIBRE GALLERY

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The result of exhaustive experiments prove it to be the most reliable and accurate cartridge ever produced. It has been generally adopted by all the first-class galleries, and the best known marksmen have voluntarily testified to its superiority.

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"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

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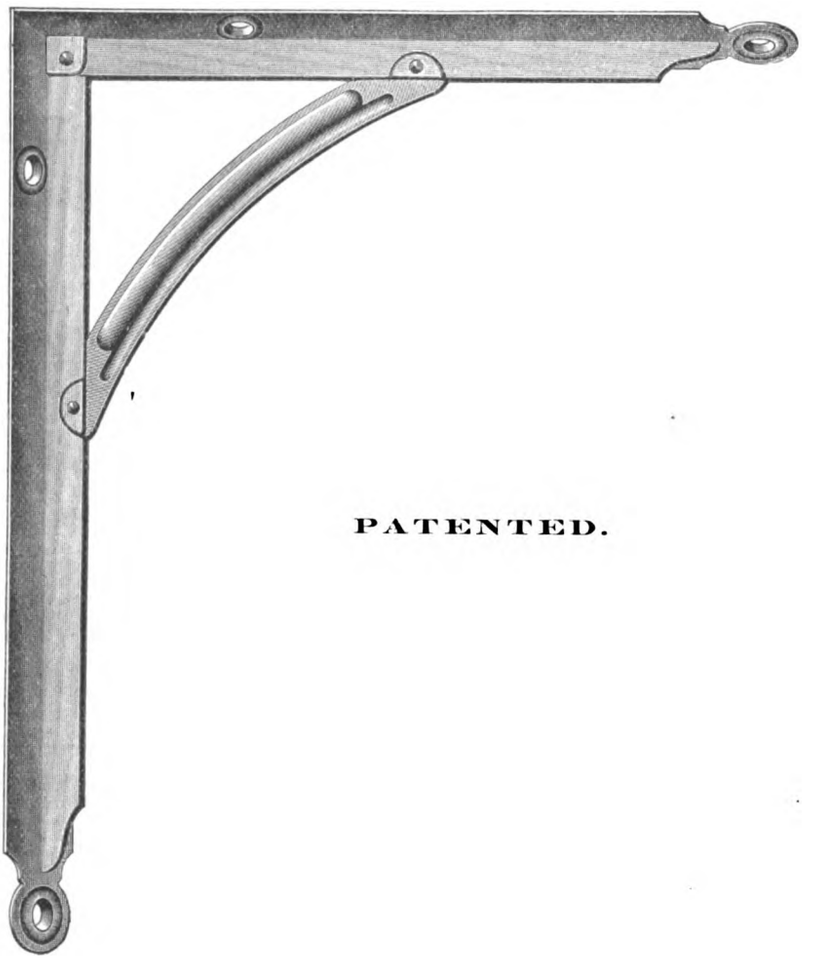
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—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



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As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

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We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

The application of these principles makes a **Light, but very Strong Bracket.**

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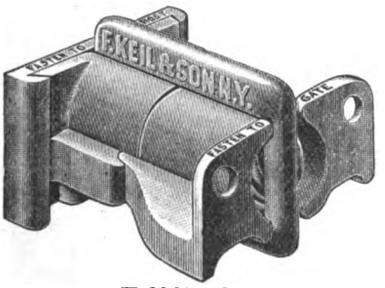
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THE SUPERIOR SPRING HINGE FOR HOUSE GATES.

——Surpasses all known gate hinges ever placed on the market.——

Patented Oct. 5th, 1892, Pat. Applied, 1893.

Tested Compound Springs, Rustless Finish.



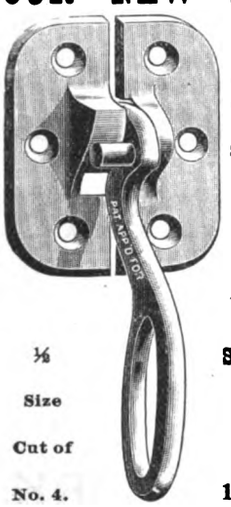
WEATHER PROOF. Use 3 hinges on heavy or wide gates.

Half Size Cut.

A True gate hinge; swings both ways, does not raise the gate as ordinary hinges do, but opens level. Is self-shutting and always stops at the centre. Has no parts to get loose or out of place, and is easily applied. When adjusting tire bolts or wood screws may be used for both post and gate or either, thus covering all requirements. Any catch may be used with these hinges; none, however, are necessary

OUR NEW AUTOMATIC FASTENER.

Patent Applied for.



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Locks as easy as an ordinary lock, wedges the door airtight and opens it without effort.

Sizes.	Per Doz.	Pol. Brass.	Nickel Plated.
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5	"	5.50	5.80
6	"	4.00	4.25

Best size indicated by a star. Discount 40%.

——Send your quantity orders for prices.——

Made for raised doors on demand.

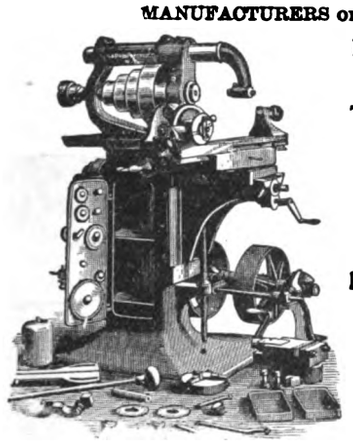
State hand wanted. Cut shows "Right Hand."

Keil and Condit Fasteners at Lowest Prices.

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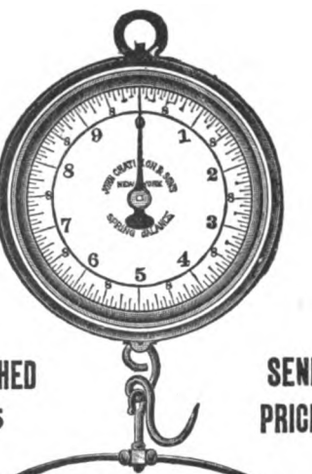
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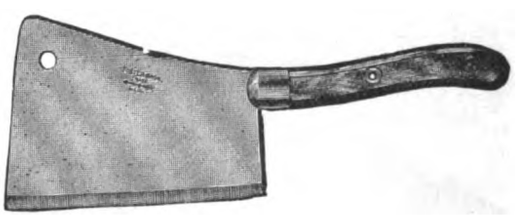
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SCALES

—AND—

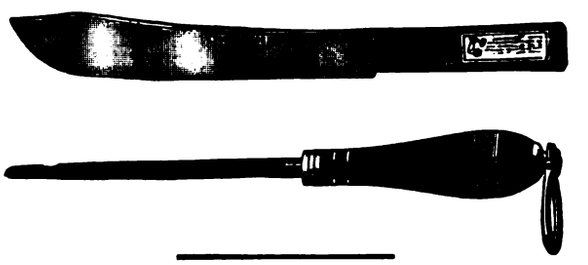
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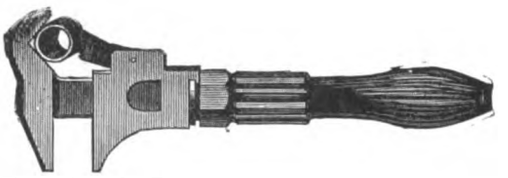
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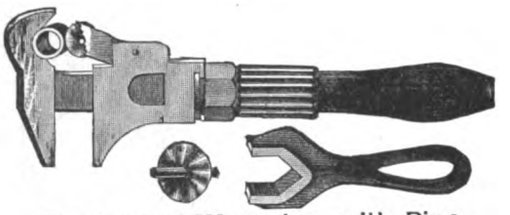
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Champion Screw Drivers (Machinists').

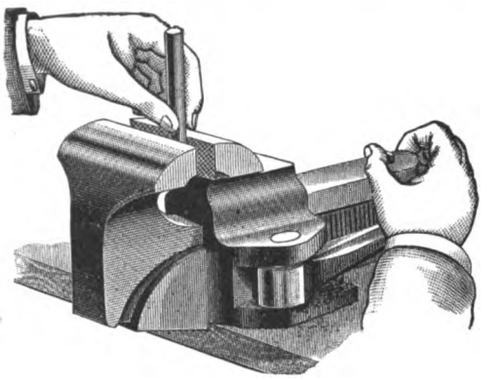


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Engineers' Wrenches with Pipe Cutters.

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This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

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EXCELSIOR EXPANSIVE BITS.
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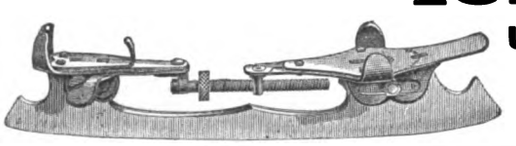
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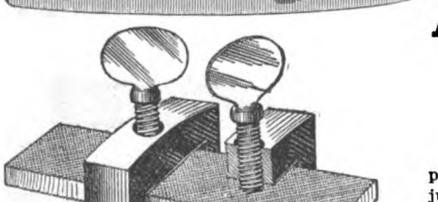
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DONOCHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.





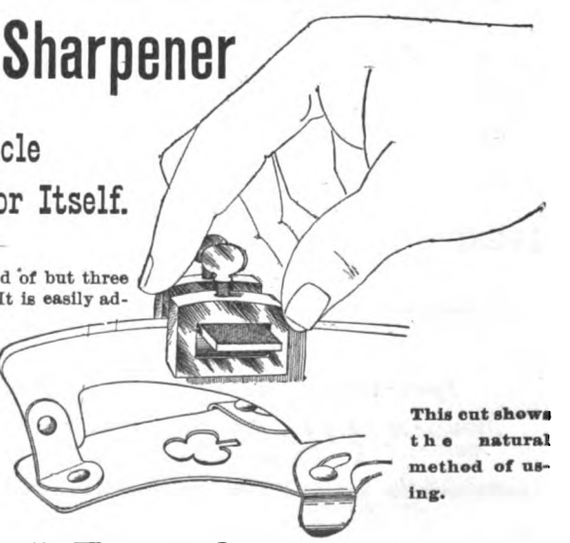
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A New and Useful Article
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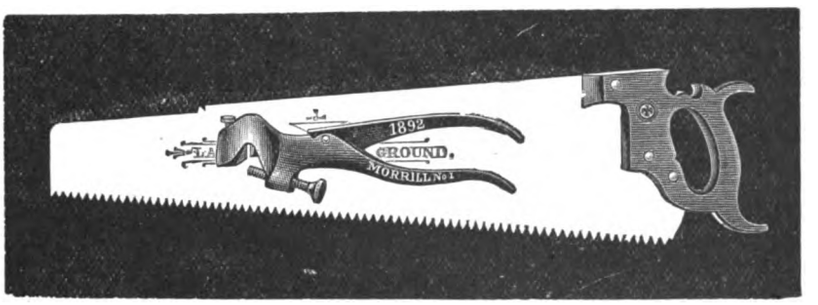
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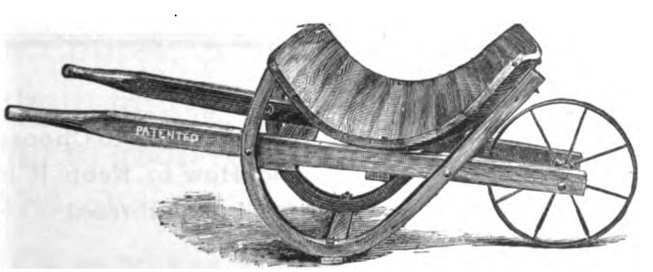
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at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

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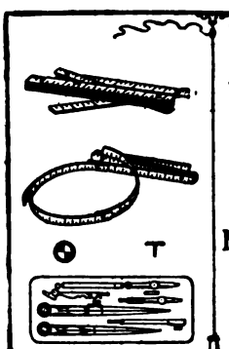
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THE BEST EQUIPPED FILE WORKS IN THE WORLD.

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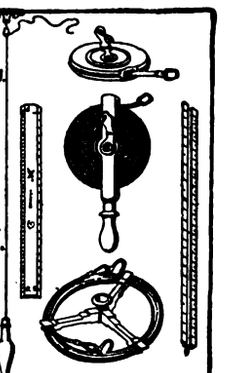
NO WARPING, NO SHRINKING, NO ILLEGIBLE JOINTS, NO BULK.

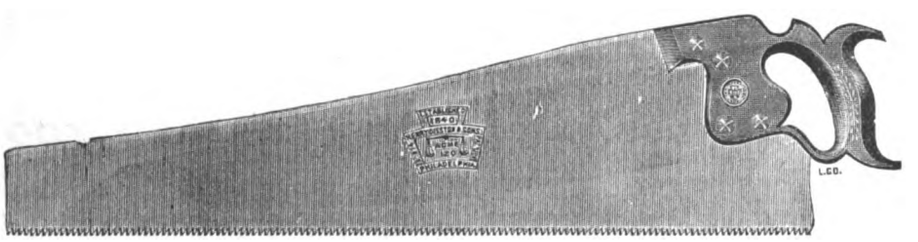
2 3 4 5 6 8 FOOT, ALSO WITH PATENT SPRINGS.

FLAT & TRIANGULAR BOXWOOD SCALES, BEST MADE.

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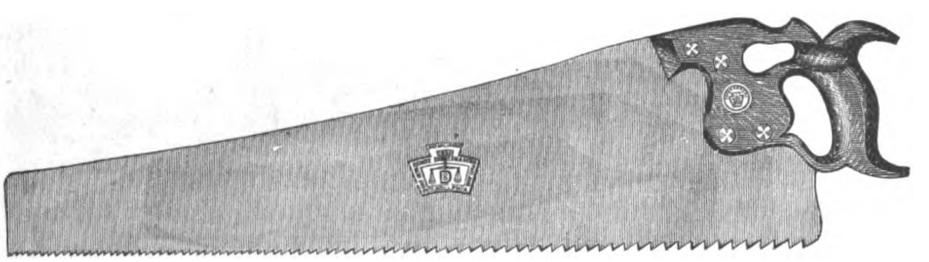
PRICE LISTS & QUOTATIONS PROMPLY SENT.



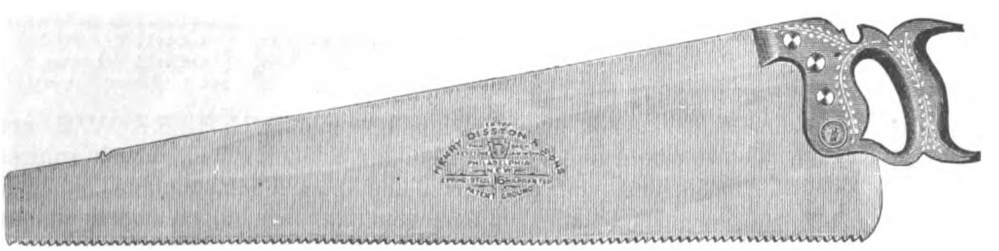


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Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



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For General Work,
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HORSESHOE NAILS.

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A Review of the American Hardware Market,
Specially Devoted to the Retail Trade.

PUBLISHED ON THE 10th AND 25th OF EACH MONTH

BY THE

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CHICAGO, (Western Office,) 60 Wabash Avenue.
CINCINNATI, - - 904 Neave Building.
LONDON, (European Office,) 9 & 11 Fenchurch Ave., E. C
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THE CIRCULATION OF "HAROWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HAROWARE TRADE.

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The Coming Sportsmen's Exposition.

The First Sportsmen's Exposition, under the auspices of the Sportsmen's Exposition Association, which will be held in Madison Square Garden, New York, from Monday, May 13th, to Saturday, May 18, 1895, is one of peculiar interest to all connected with the Hardware trade. For some time past the retail Hardwareman has been extending his line in sporting goods, and as he has gathered experience, he has found to his abundant satisfaction that the profits have been far larger than in the old staples which have been his standby for time out of mind. The new field is a broad one, as will be seen by the list of classes published on another page of this issue, and comprises every variety of goods used for pleasure.

In connection with this subject surprise has been created in the trade that in the severe depression through which we have passed in the two years gone, the demand for sporting goods has never abated; on the contrary, it has, in a great many directions, fairly increased. That the scope of goods to be carried can be extended, a casual reference to the list of goods to be exhibited, will prove to the most conservative dealer, and show him that the field has hardly been scratched over.

An interesting feature of the exhibition will be in the historical department. In that there will be old firearms, Kentucky rifles, flintlocks of Revolutionary times, punt guns, spears, arrows, and so on indefinitely.

On another page of the present issue of HARDWARE can be found an illustration of the spaces that will be devoted to the different trades and parties intending to exhibit. An examination of this plat will be interesting. All in all, the care and enthusiasm exhibited by the able men having the Exposition in charge, who are working might and main, promise a result of the utmost importance to those already in the trade, and incidentally to those who may later on add one line after another in this direction to their stock of staple Hardware.

A Tendency in Hardware.

The business in builders' Hardware seems to be dividing itself in two directions, one a tendency to excellence, and the other the cheapest sort that can be found. In the latter case the work is generally done by contract, and naturally there is a disposition to economize in everything, and the manufacturer finds himself bending every energy to meet a demand for metal goods, which he knows are of little value except in a temporary way. The idea seems to be to make as much show as possible out of a little money, without regard to quality. To this end the goods are stamped out in quantities, and prices are constantly receding. In the better class of goods, prices are not advancing, the decline in the value of the raw material and to some extent in wages of employees, counterbalancing the increased cost of quality. The point is, however, that the dividing line between excellent and cheap builders' Hardware is becoming more pronounced all the time, and that when the cupidity of the average contractor shall be overcome, the probable tendency will be in the direction of the better class of goods.

The new conditions under which the service for the navigation of the Amazon and its affluents is to be conducted, will be of interest to commercial men in this country interested in the rubber trade. To the existing lines from Para to Manaos and Iquitos, the latter place being on the frontier of Peru, and those of the rivers Purus, Madeiro, Negro, etc., the Brazilian Government has added

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a new line from Para to Oyapock, touching at Macapa, Bailique, Araguary and Amapa, situated on the coast of the disputed Franco Brazilian territory. The steamers destined for this service are required to be constructed upon the most modern models, with a speed of twelve English miles, a frigorific chamber, and to be capable of carrying two hundred to five hundred tons of merchandise, fifty first-class passengers, and two hundred second-class, with a reduction of fifty per cent. in the tariff of rates on both goods and passengers.

Thirty-five years ago the price list and catalogue was little known in the Hardware trade, and the pioneer books in that line were guarded with a great deal of care and caution. They were securely locked in the office safe each night, and were always under the supervision of the proprietor. In those days nine-tenths of the Hardware used in this country was imported, and prices were sometimes fixed so as to include enormous profits. At the present time, the reverse seems to be the fact, home competition among domestic manufacturers having worked a revolution in that respect.

In the matter of cheap firearms and appurtenances for the South American trade, Belgium at the moment seems to defy all competition. Germany, however, is taking steps to obtain a share of this business, which has now obtained considerable proportions, and is constantly growing. The Belgians are very progressive in every direction, having recently laid down in Halifax, N. S., steel rails at the phenomenally low price of twenty dollars per ton.

While a ton of steel rails has been laid down recently in Halifax from Belgium, at the low price of twenty dollars, a ton of Harveyized Armor plate costs six hundred dollars. The high price of the latter is in a considerable degree owing to the scarcity of skilled labor, and again to the enormous capital required for the plant. Both labor and capital may be idle for years, as the United States Government is the only apparent customer, and everything is dependent upon the appropriations of Congress.

Two ambitious young men have appeared in the Hardware trade in New York City. One, the son of Fred'k Pfeifer, of the Payson Mfg. Co., of Chicago, opened his eyes, November 15th, and the other, the son of H. J. Brainerd, followed his example November 19th. At the moment both youngsters are very noisy, and causing a great deal of pleasant trouble.

The Kearney & Foot Co., New York, Paterson, N. J., and Tacony, Pa., are gradually increasing their production, having lately added one day to their working hours at Paterson. At that place four hundred men are employed, and the addition of one day's labor in a week is quite a factor.

The Allerton Lubricant Co., Chicago, Ill., have recently been incorporated with a capital of $3 000,000. Their works are at Grand Crossing, Chicago. The Allerton Clarke Co., of No. 83 Reade Street, New York, and No. 23 Lake Street, Chicago, are sole agents for the company.

The Christmas trade in table cutlery appears to have opened in very fair shape, the demand being up to the volume of past years. Prices, however, are low, and the complaint of small profits is quite general in the trade.

Hon. John H. Graham, of John H. Graham & Co., New York, is at present in Washington, the climate there being better adapted to the full recovery of his health, which is progressing now, after his long illness, in a gratifying manner.

Hardware Club Notes.

There are inquiries being made in the trade as to when the next annual Hardware dinner is to be given. It will be remembered that that of 1894 was omitted because of the financial depression of the country, it being suggested by those who had the matter in charge, that it would be more fitting that each should contribute whatever he felt in the way of spending for luxuries, to the needs of those who were out of employment about him. Now that good times have returned, it is the anxious desire that the dinner of 1895 shall be of the old-time character and importance. Probably it will be given in February or perhaps the month preceding, but the definite arrangements have not yet been made.

At a recent meeting of the board of governors of the Hardware Club, the following gentlemen were unanimously elected to membership:

Samuel R. Beardsley, No. 179 West Street.
Alfred B. Chapman, No. 62 Worth Street.
H. E. Deats, Flemington, N. J.
Ralph W. Grout; Henry W. Peabody & Co.
E. H. Kidder, No. 253 Broadway.
Charles H. Lester, No. 48 Barclay Street.
John Henry McCarthy, Justice City Court.
Edward M. May; H. L. Judd & Co.
Walter P. Phillips, General Manager United Press.
Henry W. Putnam, Jr., No. 108 Chambers Street.
Alfred H. Smith, No. 131 Duane Street.
George F. Spinney, Publisher New York *Times*.
Francis M. Underhill, No. 46 Barclay Street.

We are pleased to state the gratifying fact that the present membership of the Hardware Club is 492, of whom 416 are resident members, and 76 non-resident. Add to these the sixteen names now posted for admission, and we have a total of over 500—and the Club has been in its new quarters for less than six months!

The "Loaded Shell" Trade.

HARDWARE, a journal devoted to the Hardware business, calls attention to a peculiar feature of the "loaded shell trade" during the present season. A war among the Southern railways resulted in low freight rates, and Southern dealers took advantage of the opportunity to increase their orders for cartridges. To meet this demand the factories had to run overtime, but the strain of fifteen hours' work a day proved too severe for the operatives and they had to return to the old hours, "with the embarrassment, however, in some large factories that they are five and six millions of cartridges behind on orders that they have booked." This exceptional demand for cartridges in the South in the "bloody shirt" period would probably have been construed as an evidence of latent treason. Now it simply indicates the abundance of partridges, rabbits and other small deer in the South, and illustrates the promptness with which business men take advantage of every opportunity of lessening their freight bills.—*Baltimore Sun.*

Lowry Hardware Co., Atlanta, Ga., Hardware, Cutlery, Bicycles. HARDWARE Publishing Co.: We enclose herewith our order for subscription to your journal which we wish to begin with the number containing the first of "Six Letters to a Clerk." We regard each of these letters as worth the price of a year's subscription.

Sam Haines, the friend of every Hardwareman, has been spending a few days in New York. He is, as usual, very much interested in lawn mowers, bicycles and everything else that is good for the trade.

The Reading Hardware Co., Reading, Pa., and New York, report a gratifying increase in the demand for their lines of goods, and that their factories in Pennsylvania are fairly busy.

The Rome Brass & Copper Co., Rome, N. Y., have completed a two-story addition to their large mill. The company employ about three hundred hands.

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First Sportsmen's Exposition.

THE GREAT EVENT OF MAY, 1895.—A STATEMENT OF CLASSES, ETC., MADE BY THE DIRECTORS.

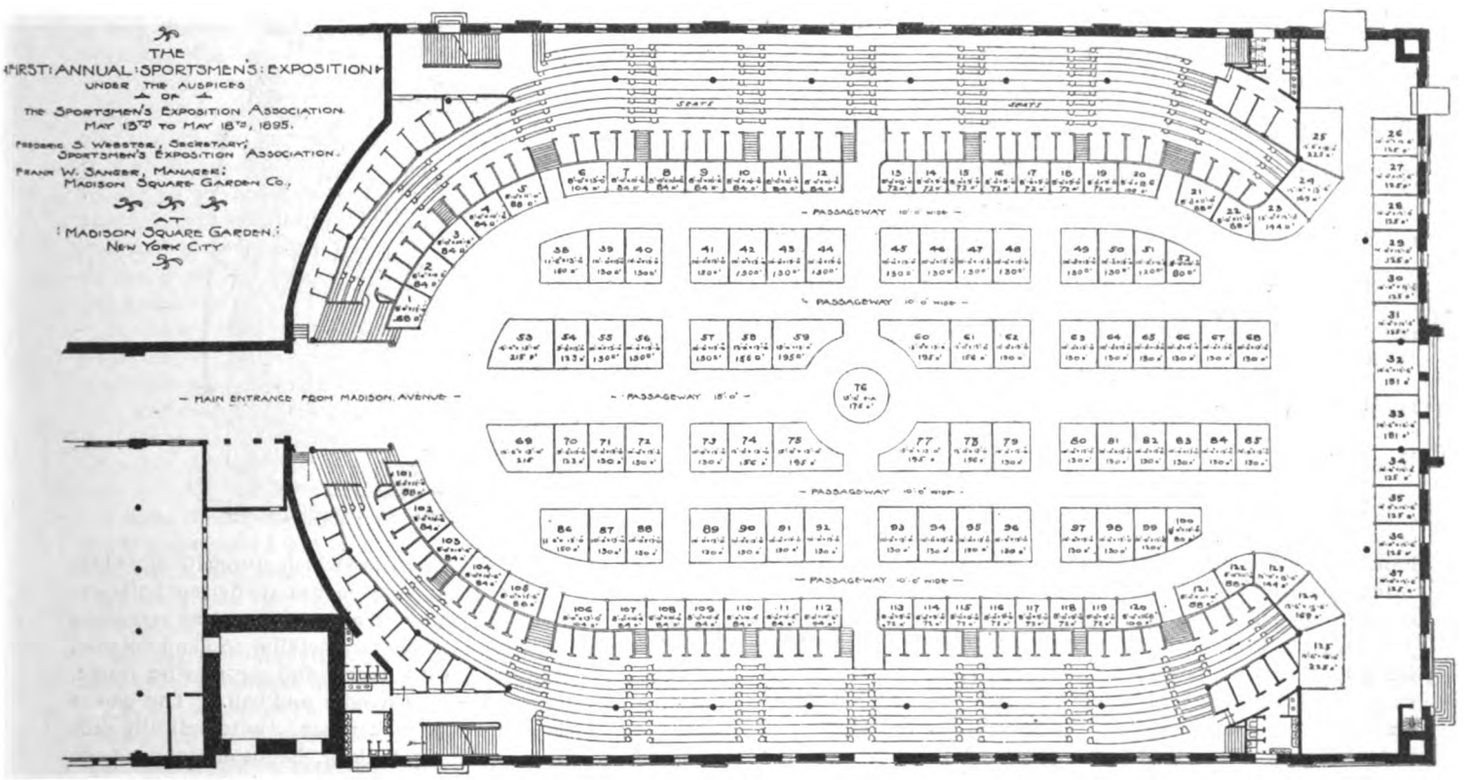
The directors of the First Sportsmen's Exposition, to be held at Madison Square Garden, New York, from Monday, May 13th, to Saturday, May 18, 1895, have issued a handsomely finished prospectus outlining the plans and purposes of the exposition, and also a statement which explains those purposes in detail. "When the scheme was first taking shape," they say, "there was a probability of its being merely a trades display, but after a careful and full canvass of the situation by the committee, and much deliberation, it was expanded into an Exposition, with its scope extended, so as to cover the realm of the sportsman in every essential detail, and what might have been but a limited epitome of the subject was broadened into a comprehensive plan, which would specifically illustrate the evolution and growth of all that pertains to the life and pursuits of the sportsman; in every sense a Sportsmen's Exposition. The directors recognized the importance of having the enterprise embody every feature, which would place the Exposition on an educational, practical and profitable basis. This was considered fundamental. In this event the affair would assume a dignity and importance not to be questioned. That this has been practically accomplished, is evidenced by the prompt co-operation of everyone who has been approached on the subject. The universal interest manifested on all sides in the undertaking, and the unanimity of good-will accorded is encouraging and inspiring.

"The directors have laid out the plans accordingly, feeling convinced that the First Sportsmen's Exposition will be an assured success. It is to be made attractive and interesting, and every means devised to draw the public, whether amateur or professional. The practical advantages to accrue to the exhibitor will be much more surely attained by invading the ranks of the novice and the amateur by the educational aad historical features than by any other means, and this has been fully provided for."

The board then calls attention to the several branches, fourteen in number, which define the general character of the undertaking, but which will admit only of a brief mention, as follows:

Class A—Firearms of every description, ancient and modern.
" B—Ammunition.
" C—Sporting Sundries and Appliances.
" D—Fishing Tackle.
" E—Boats, Canoes, etc.
Class F—Camping Outfits and Utensils.
" G—Athletic Goods (lawn tennis, field games, etc.)
" H—Zoology, Taxidermy and Taxidermist's Supplies.
" I—Kennel Supplies.
" K—Cameras and Photographist's Supplies.
" L—Saddles, Bridles and Horse Equipments.
" M—Sportsmen's Art and Literature.
" N—Trophies of the Chase.
" O—Loan Exhibits.

In further statement, the directors say: "In submitting the foregoing to the sportsmen of the world, it will readily appear how necessary it is for all to contribute something in the historical line in order to have the Exposition represent what is intended. Every article which will illustrate the various exhibits is desired. A synopsis of the material needed for this purpose will be printed and circulated later. We believe no one will hesitate to offer such specimens and objects as they may be fortunate enough to possess, no matter how insignificant or valuable. All loans, whatever their nature, which are donated, will be guarded and carefully arranged in systematic order and properly labelled with the name of the exhibitor. The management wishes to carry out to the letter the object of the Exposition, and in order to accomplish it, must depend on the sportsmen of the world for general co-operation and assistance.



The Committee of Measurements and Records is composed of well-known gentlemen, who have kindly consented to serve the Exposition: Hon. Theodore Roosevelt, Archibald Rogers, George Bird Grinnell."

New York Jobbers' Association.

The New York State Association of Hardware Jobbers held a session in Troy, New York, on November 14th. The trade was discussed in all its aspects. The officers are: President, Irving D. Booth, Elmira; vice-president, Hobart Weed, Buffalo; secretary and treasurer, S. J. Weaver, Rochester. In the afternoon the members and a number of invited guests were given a dinner at the Troy Club by J. M. Warren & Co. Those present were John Don, Wm. Henry Warren, H. S. Darby, F. H. Leeds, F. W. Edmunds, E. L. Rowe, John M. Francis and C. Whitney Tillinghast, of Troy; Charles H. Turner and Wm. B. Wackerhagen, of Albany; Mr. Shoemaker, of Elmira; H. L. Kennedy and J. W. Black, of Syracuse; Cyrus M. Ward, of Albany; Fred. Barker and Irving D. Booth, of Elmira; J. H. Brewster and S. J. Weaver, of Rochester; Hobart Weed and E. C. Weed, of Buffalo, and C. E. Walbrage and Mr. Babcock, of Binghamton.

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Meeting of the Philadelphia Hardwaremen.

There was a pleasant meeting of the Hardwaremen in Philadelphia on the evening of Tuesday, November 20th. It was the regular business gathering of the Hardware Merchants' & Manufacturers' Association, for which extensive arrangements had been made, and an order of exercises prepared as follows:

6 P. M. BUSINESS MEETING.
7 " COLLATION.
8 " REASSEMBLING.

1. Introduction of Presiding Officer, - Mr. Wm. W. Supplee. By Mr. Hugh McCaffrey.
2. TENOR SOLO, - - - - - "*The Love of Old.*" Mr. Chas. A. Huff.
3. DISCUSSION, "*Is the system of Syndicate Buying of advantage to the Trade in general?*"

Affirmative.	Negative.
Mr. Hugh McCaffrey.	Mr. Jas. H Ritter.
Mr. Jas. S. Bonbright.	Mr. Geo. C. Coffan.
Mr. Elmer E. Brown.	Mr. Jas. H. Jacoby.

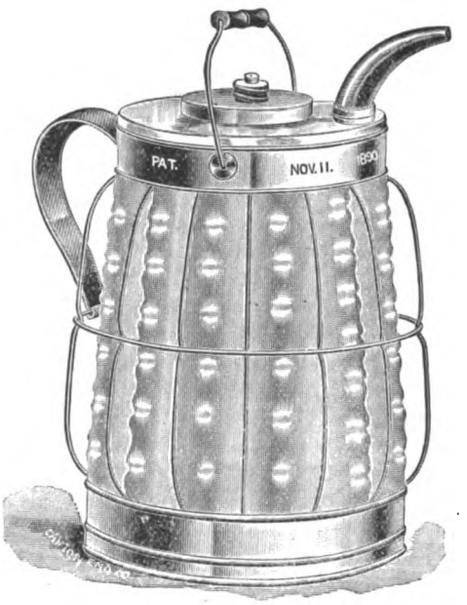
4. BARITONE SOLO, selected, Mr. Paul A. Griffith.
5. MUSINGS, "*A Summer Abroad; what did I learn of benefit to fellow laborers.*" Mr. Wm. C. Peters.
6. RECITATION, - - - - - "*The Maniac.*" Mr. Wm. W. Supplee.
7. BASS SOLO, selected, Mr. John R. Griffith.
8. RECOLLECTIONS, - - *Fifty Years a Hardwareman.* Mr. Wm. H. Allen.
9. ORATION, "*Spartacus to the Gladiators,*" *or* "*Me to my Competitors.*" Mr. T. James Fernley.
10. TENOR SOLO, - - - "*Queen of the Earth.*" Mr. Chas. A. Huff.
11. RECITATION, - - "*Reminiscences of a Stump Speaker.*" Mr. Harry M. Einwechter.
12. REMARKS, Mr. Frank H. Taylor.
13. REMARKS, - - - - - "*Our City Beautiful.*" Mr. Jas. H. Ritter.
14. REMARKS, - - - - "*Dining as a Fine Art.*" Mr. Alfred C. Rex.
15. SONG, - - - - - "*Who's that Laughing?*" Mr. T. James Fernley.

It is needless to say that the occasion was one of great interest and pleasure to all concerned. The discussion upon the important question, "Is the System of Syndicate Buying of Advantage to the Trade in General?" could hardly be called a debate. As one gentleman expresses it: "The members appointed to talk on the affirmative or in favor of syndicate buying talked in the opposite way, and the negative were practically left without even an apology." A vote was taken which was almost unanimous against the system. In the absence of one of the gentlemen who was to speak on the negative side, James D. Foot, of Kearney & Foot, New York, made some remarks in which he endorsed the speeches of the preceding speakers. The other papers and addresses were first-class, and it is needless to say that the evening was one of rare enjoyment to all concerned.

Some sixty-five gentlemen were present, including the guests, among whom may be mentioned W. T. Norton, of the American Axe & Tool Co.; E. B. Pike and E. Bertram Pike, of the Pike Mfg. Co.; William A. and Geo. H. Graham, of John H. Graham & Co., and, as has already been mentioned, James D. Foot. While any mention of the different features of the programme may be an invidious distinction, it may, perhaps, be said that the remarks of James H. Ritter were acknowledged by all to be of a very high character from a literary standpoint. A. C. Rex astonished his most ardent friends, while President William W. Supplee recited "The Maniac" in so vivid a manner that one member from New York left the room at the conclusion of the recitation, and asked to be shown to the convalescent ward, declaring that to his mind the banquet room was simply a mad-house. (This suggestion must be accompanied by a statement of the fact that no wines whatever had been served) William C. Peters' "Musings on a Summer Abroad" elicited the heartiest applause. The "recollections" of William H. Allen, who has been in business activity for fifty-one years, were presented in a manner that won the appreciation of all. John R. Griffith and his son Paul, were pronounced musicians of unusual attainments, while the tenor solos of Charles A. Huff, of the Supplee Hardware Co., were rendered in a manner enjoyed by all present. It is needless to say that President William W. Supplee and T. James Fernley, the efficient secretary of the Association, were prepared at all points to do everything in their power to make the occasion one of pleasure and interest to those present.

Crystal Oil and Gasoline Can.

The Star Mfg. Co., Canton, Ohio, are meeting with renewed success with their specialties. The company's chief specialty is an article described as "of the highest merit and in universal demand, and being far in advance of anything of the kind heretofore placed upon the market; its success has been phenomenal from the beginning. The Crystal Valve Oil and Gasoline Can is as its name implies, a crystal glass can for containing oil or gasoline. Its special novel features are the valves, which consist of two small glass balls, one each in the



vent at the top and in the spout, and which automatically close these openings when the can is not in use, rendering both air-tight. The body of the can is a fine crystal glass reservoir, which is protected with a substantial metallic top and bottom, the whole bound together with a neat and strong wire frame, and supplied with a convenient handle and bail." The can is convenient in use, and, as the makers say, "automatically self-closing, non-explosive, air-tight, clean, handsome and cheap, and is the best selling oil can on the market." Write them for full particulars.

Hardware clubs appear to flourish vigorously on every soil but British, and here, we are told, there is no hope for anything of the kind. The New York Hardware Club is growing so rapidly that it is predicted the limit of membership will soon be reached. Nearly 200 members of the trade have joined it in the last few months and it has come to be regarded as a necessity. As a headquarters for the trade, a common ground for the exchange of greetings and comparing notes, and a home for Hardwaremen visiting the city from other sections of the country and from abroad, its facilities are highly appreciated. Another flourishing club has been formed by the Hardwaremen of Switzerland, with headquarters at Zurich.—*Hardwareman* (*London, Eng.*)

Little Coon, an intelligent colored Hardware merchant in New Orleans, has made application to have his name legally changed. He is six feet high, weighs 220 pounds and says that his name makes people laugh the moment they see him.

"Anything new in your line?" asked the market reporter. It was growing dark. The Hardwareman looked about absently and then remarked: "Window blinds are going down."

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Porter to Partnership.—I.

THE PROGRESS OF A CLERK WHO WAS NOT AFRAID OF WORK.

I began my business career in a country store; I am inclined to think that it is a good place for a boy to start in. We kept groceries, dry goods, a small line of Hardware, boots and shoes, some drugs and a miscellaneous collection of stuff that didn't come under any head. We bought everything that the farmers had to sell, from axehelves to hides. It had long been my ambition to be a clerk. Whatever my opinion may be now, in those days I would rather stand behind a counter and sell goods than be President of the United States.

I was fifteen years old, and had been through the common rudiments of a country school; that is, I had a very fair knowledge of arithmetic, grammar and geography. The trustees of the school were men who believed the end and aim of all knowledge were to be found in the three Rs—Reading, 'Riting and 'Rithmetic. And when I compare the boy of fifteen today in the elaborate city schools, with myself and my companions at the same age, I am not sure but that the old men's ideas were very nearly correct. Our school system of to-day is founded on the idea that every boy and girl is going through college, and instead of fitting them for life work they are merely trained to pass a college examination. Under this plan a boy studies much that never benefits him, while the main branches that are needed in practical life are overlooked. I saw a lad of ten studying botany the other day, and he was prepared to roll off his tongue's end everything about stamens and pistils; but he could not tell me what 3¼ times 50 were, though I gave him pencil and paper and half an hour to do it in. If all our children were going through college I presume the present system is the best, but as over 95 per cent. of our boys are compelled to turn to work by the time they are fifteen or sixteen years old, I am not sure but that I prefer the old-fashioned country school.

It was my duty to open the store in the morning, sweep and dust, carry parcels and make myself generally useful, but it was some time before I was allowed to sell goods. I remember that the cost-mark was a wonderful thing to me, as Mr. Ely gave it to me in this form:

We must go in.
1 2 3 4 5 6 7 8 9 0

I went through the store looking at everything and examining the cost, and I was astonished at the difference between the cost and selling price. If I had ever thought of it before it was that the goods were sold for about all profit, and that the cost was a trifle.

Mr. Ely was an energetic man; at the store early himself, he was never a moment idle until he went home at eight or nine o'clock. The town's trade came from two classes—factory people and the farmers, and was done almost entirely on credit. The factory hands were trusted from pay-day to pay-day, the farmers took credit till they had something to turn in by way of pay.

The first lesson taught me was to keep the store clean. Mr. Ely did not scold, but one morning when I had skimmed over the floor without sweeping it clean, he quietly took the broom and swept it after me. I did not need a second lesson. Our windows were washed once a week and show-cases polished and our scoops and furniture cleaned every Friday. The store went like clockwork; Harry, the older clerk, was obliged to go through the dry goods and notion side of the store the last thing every night before closing up, and arrange each box and bundle in its own place, while I did the same on the grocery side.

The best lesson I had in politeness was the knowledge that my predecessor lost his place because Mr. Ely heard him answer an old lady rather impertinently, though it was difficult to keep from putting on a few airs when my old cronies came in the store. Though when I had to load or unload hides I did not feel quite so much elevated above the rest of the world.

As in every other place, competition was very brisk. There were two other general stores in the place and several whiskey groceries. Printers' ink was not so available as it is to-day, nor so cheap. Our principal advertising was done by piling up goods before the store, and as I showed some skill in arranging these goods the work of doing this was turned over to me.

As I became familiar with the stock I was allowed to wait on customers, and as I was fully determined to please, I think I did make myself popular. There was every reason why I should try with all my might and main to make a mark. I had no influential friends to push me along, all that I made of life must be made by myself, and I was determined that I would work my way up.

I think I had a quick eye for noting anything out of the way, and as all my interest was in the store, I saw many things that escaped the other clerk; whether Mr. Ely saw what I did, I knew not, but I kept pegging away as well as I could, determined that if he did not praise he should have no reason to complain.

At the end of the year he called me behind the desk, however, and made me a present of a ten-dollar bill, saying: "You are doing very well, Mark; if you keep on as you have begun you will one day have a store of your own." I went home a happy boy that night and fully determined to do better than ever the coming year.

The Clerk and the Cartridge.

Levi Noland, a clerk in Mellor Bros.' Hardware store, Boone, Iowa, wanted a small ferrule to place on some tool with which he was working. Looking through the show-cases he discovered a small shell about an inch long and in diameter about equal to a .22 calibre cartridge. There was no ball in the thing and he didn't know just what it had been designed for. He knew, however, that by sawing off the head on the closed end it would suit his purpose exactly. He therefore placed the little shell firmly in a vice and commenced operations with a small hack saw. He was progressing nicely, when suddenly there was a flash and a report. Noland's hat was blown into the air; blood began to ooze from several places in his face and he felt positive that something had struck him. It was then discovered that the harmless looking little shell was a dynamite cartridge and was prepared for business. A doctor picked pieces of cartridge and saw out of the various places in the young man's face. Luckily none of the flying particles struck the eyes and the injuries received were only slight. The cartridges are used for various blasting purposes and are very powerful. There are several of the cartridges left, but the box is now properly labeled "dynamite."

Aluminum by the Car Load.

Word comes from Topeka, Kan., that "one of the largest manufacturing establishments in the State will soon be converted into an aluminum factory. English capitalists invested largely in a smelting plant at Turner, in Wyandotte County. It was completed about the time the Barings failed, and the necessary operating capital which had been promised the projectors of the mammoth enterprise was not furnished. Without funds to start the furnaces and to lay in the sixty-day supply of ore necessary for a profitable blast, the enterprise was never started up. Since that time the silver agitation and the general uncertainty of values have rendered it impossible to secure the financial aid necessary. During the past four months a party of gentlemen have been using a portion of this smelting plant in extensive experiments with a new process of extracting aluminum from clay. They have been so successful as to warrant the leasing of the plant, and it will soon be used for the production of that quality of aluminum which is used extensively in the manufacture of lard. It is reported that large contracts have been made with packing houses in Chicago and Kansas City for this product, several carloads to be delivered daily."

The word "Boss," so commonly applied by an inferior to one of higher grade in the United States, is not, as generally supposed, American in its origin. It comes from the Low German, and is heard frequently in Continental Europe. In Germany one often sees the sign "Schlaf-Baas," which translated means the Boss of a lodging house.

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The Great Tri-City.

AN ANSWER TO THE QUESTION: "WHERE IS DAVENPORT?" —A LETTER FILLED WITH VALUABLE INFORMATION.

EDITOR HARDWARE: Once while talking in a convention of barb wire manufacturers and Hardware jobbers, in Chicago, a gentleman asked: "Where is this Davenport that the speaker represents?"

In making up trade reports, recollecting the question, it has occurred to me that your readers might have also desired to know where this city is located and something of its history, industries, and important business features.

Commercially speaking, Davenport, Iowa, Rock Island, and Moline, Ill., are one city, known as the Tri-City, all connected by free government bridges, electrically lighted; and in this letter without further explanation, it will be understood that all are included in whatever may be stated.

Located on the Mississippi River, at the foot of the upper rapids, midway between St. Paul and St. Louis, settled by Christian people about 1830—the Christians having driven from their home here, the Indians, who had occupied the place for more than a century--and whose population in 1832 numbered forty thousand. Forty years elapsed before the population of whites reached that number, and we claim only ninety thousand to-day. Here the waters of Lake Michigan will soon be connected with those of the Mississippi through the Illinois and Mississippi Canal, better known perhaps as the Hennepin, which will give us direct water transportation through the lakes to the sea. The Chicago, Milwaukee & St. Paul, Chicago, Burlington & Quincy, Chicago, Rock Island & Pacific, Burlington, Cedar Rapids & Northern, Rock Island & Peoria, and the Burlington & Northern Railways are here.

The first bridge spanning the Mississippi was at this point. The first railroad iron in Iowa was laid here, where the first locomotive was used, crossing the river on the ice. We have almost unlimited water-power, and are in the centre of the bituminous coal fields of Iowa and Illinois.

The Rock Island Arsenal, occupying the entire island, containing one thousand acres, is the principal and largest arsenal in the United States, if not in the world, erected at an expense of about thirteen million dollars, employing hundreds of men in its shops, and could, in case of necessity, give employment to twenty thousand skilled workmen.

As a manufacturing centre we produce annually three and a half million plows and cultivators, three hundred thousand wagons and buggies, not to mention the vast number of corn planters, hay loaders, grain elevator and flouring mill appliances, metal wheels, steel axes, harrows, pumps, and other farming tools and machines, which find a market in every country on the globe. We also manufacture stoves, sash, doors and blinds, woolen goods, pipe organs, saddlery hardware, furniture, scales, scissors and shears, carpet looms, paper pails, brick tile, etc., etc. We grind five thousand bushels of wheat per day into favorite brands of flour; consume five thousand bushels of corn daily in our glucose works, producing excellent preserving syrup, which may be contributory to the volume of granulated sugar, and even maple syrup. Two hundred million feet, representing three and one-quarter million dollars of pine lumber, are manufactured annually from logs rafted from northern pineries. Cigar manufacturing is a large item among our industries, employing from six hundred to one thousand operatives.

In addition to three million gallons of water, pumped daily from the river, through a million and a half dollar water plant, and a hundred and fifty thousand dollar filter, we have beer manufactured by seven large breweries to slake our thirst, have twenty five miles of brick-paved streets, and fifty miles electric street railway. Our schools, secular and theological, are unsurpassed. This is the See City of Iowa for the Episcopal and Catholic Churches, both having beautiful cathedrals.

Davenport is the Iowa money centre; the bank deposits averaging about ten million dollars. The First National Bank opened its doors June 28th, 1863, and was therefore the first National Bank in operation in the United States. Austin Corbin, now of New York, was its promoter and first president. In this connection, it is a fact but little known that the Iowa Banking Law of 1858 embraced substantially the banking features of our present National banking system.

Our city has contributed to New York such distinguished citizens as Austin Corbin, Judge John F Dillon, James Armstrong, Judge George M. Van Hoesen, W. C. Brewster, Alfred Sully, J. D. Campbell and A. F. Richardson; also Robert Sickels, so well known to the New York Hardware trade, and many others. Octave Thanet (Alice French), Bishop Perry, Rev. H. N. Powers, D. N. Richardson, Lillian Blanche Fearing, Nelson Hurst, of the New York *Times*, Chas. J. Powers, of the Chicago *Tribune*, Charles Russell, of the New York *Herald*, are among Davenport's literary people. R. R. Cable, president of the Rock Island Road; General Flagler, Chief of Ordnance, U S A., and Colonel W. F. Cody, familiarly known as "Buffalo Bill," have lived here.

The Ceylon Importing Company, two of its officers being natives of that far away island, has recently been established here, with a branch office and warehouse in New York, and has for its president—excuse modesty, J. R. NUTTING.

Davenport, Nov. 15, 1894.

Yale & Towne Mfg. Co. Changes.

Under date of November 5th, the Yale & Towne Mfg. Co., Stamford, Conn., and New York, make the following announcement of changes:

To the Hardware Trade; We beg to announce that on and after November 19th, our General Offices will be located on the second floor of the Stewart office building, No. 280 Broadway, New York, at the corner of Chambers Street, in the centre of the "Hardware district," and within a few doors of our New York salesrooms at Nos. 84-86 Chambers Street. We take pleasure also in advising you that at a recent meeting of the directors of this company Mr William F. Donovan, the present general manager, was elected also to the position of vice-president. The management of the new general offices at No. 280 Broadway, New York, will be under the immediate direction of the vice-president, whose headquarters will hereafter be at that point. Our New York branch house and salesroom, under the charge of our assistant treasurer, Mr. Thomas F. Keating, will be continued at Nos. 84-86 Chambers Street, and the business of that office will be conducted in all respects as heretofore. Our other branch houses and salesrooms in Chicago, Philadelphia, Boston, Pittsburg and San Francisco will also be continued without change, and will each constitute the point of distribution and correspondence for the business within its territory.

The direction of the manufacturing and financial affairs of the company, including the management of its plants at Stamford and Branford, will continue to be conducted from the executive offices in Stamford. Respectfully,

THE YALE & TOWNE MFG. CO.,
By HENRY R. TOWNE, President.

Stamford, Conn., November 5, 1894.

W. E. & John Woodwell, No. 632 Smithfield Street, Pittsburg, Pa., who handle a general line of Hardware, as well as novelties, and who are making a leader of photographic supplies for the holiday trade, report business rapidly improving. They are having their full share of the trade.

A combined letter card with a case for silver coins made of muslin, the whole enclosed in a proper envelope, is a novelty lately brought out in England. The coins do not rattle in their enclosure and the device is the best in its line that has yet been invented.

The transmission of freight cars by electricity in the larger cities has proven a success on the Pacific Coast. It costs more to move freight in the large cities than passengers, when the opposite should be the case.

J. A. Digby & Co., McKee's Rocks, Pa., handle a general line of Hardware, guns and builders' supplies. They are a bright and enterprising firm, and well deserve the success they are meeting.

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Merchant and Mercantile Agencies.

EDITOR HARDWARE: As too many merchants, principally to be found among the smaller ones, and those just starting in business, think that Mercantile Agencies exist merely for the object of ascertaining for them the liability of those who wish credit, I would submit some advice regarding themselves.

It is of the utmost importance that a merchant who expects to buy goods on credit, should place himself on record, so that parties with whom he wishes to open an account, can get the necessary information concerning his responsibility, on which to base a credit.

On commencing business, it is well to make a careful statement of your affairs, giving in detail the value of your resources in cash, notes goods, stock, real estate, or whatever you expect to put into the business; also a statement of whatever debts you may have. The difference represents your net capital. Send such statement to one or two of the established agencies, who will copy it faithfully on their records, and give it in confidence to their subscribers with whom you may want to open an account.

Should you neglect to make such a statement, or refuse to do it when requested by the agencies, you run the risk of having a statement go on record that does you great injustice either because it is made by parties not fully acquainted with your affairs, or, worse than that, possibly by some personal enemy. If your purposes are honorable, and you expect to pay for what you buy, you need not hesitate to make the statement alluded to, even if your capital is small. It is a mistaken notion entertained by some, that the Mercantile Agencies have an interest in misrepresenting people. On the contrary, they take great pains to have their reports as nearly correct as possible, and if a man is not rated correctly, it is usually due to his own stubbornness in refusing to give the necessary information. That statements of this kind, whether made to the agencies or to private enquirers, must be in accordance with the real facts, as nearly as can be ascertained, is a matter of course.

A deliberate over statement of the amount of capital invested, for the purpose of getting more than a fair share of credit, might lead to serious consequences, and make the party liable to prosecution for obtaining goods under false pretensions. Should the agencies not be in possession of correct information in regard to your affairs, and a house with whom you want to open an account call on you to make a statement, you should, if your record is clear and your intentions honest, unhesitatingly comply with the request, and give them all the information you can. The refusal to do so will make it appear as though you had something to conceal; and even if the order you may have given is filled, there is a lack of that feeling of confidence and good will that should prevail between buyer and seller.

R. W. HUMES.

"Jessop's" Steel for Sheep Shears.

The following, regarding the famous "Jessop's" steel, the product of Wm. Jessop & Sons, Ltd., Sheffield, Eng., and New York, appears in a recent contribution to the Sheffield *Daily Telegraph* from its Paris correspondent. In an article upon "The French Trade in Sheep Shears," the writer says: "Every order that comes from the United States is accompanied with the stipulation that the steel must be Jessop steel, and, in fact, nearly the whole of the shears sent abroad are made of this material. Where possible, makers will employ French steel, but this is only done from patriotic motives, as they have every advantage in employing Sheffield steel, and where quality is the point to be considered, no hesitation is felt in taking the material from Sheffield. While conversing with a maker of shears he mentioned having just placed an order with a native steel maker for 3000 tons of steel. 'But,' said he, 'where I buy 3000 tons of steel from France, I take 10,000 tons from Sheffield, and orders for still greater quantities of Jessop steel are given by other firms.' . . . It is very rare that a bar of French steel can be found that possesses a uniform quality its entire length, and the metal is consequently liable to break during the process of tempering. With English steel such accidents scarcely ever happen, with the result that, though Jessop steel costs £6 a ton more than the French steel delivered in Paris, the cost of the shears made therefrom is about the same, as the difference in the price of first material is compensated for in the absence of waste, to say nothing of the superiority of the shears. At the same time it is found that with Jessop steel, the shears can be made quicker and more easily than with steel of native manufacture. For goods intended for export it is asserted that it is practically impossible to use anything but Sheffield steel."

For the Preservation of Metals.

At the Montreal meeting of the American Society of Mechanical Engineers, an interesting paper was read on methods for preserving metal used in pipes, roofs, bridges, poles, construction work, etc. In conclusion, the whole question of how best to protect iron and steel from corrosion in all the varying conditions that the wants and usages of to-day demand, seems to resolve itself into several "Dont's," as the best method for answering it, to wit:

"Don't have any scale on the metal.

"Don't paint it with anything but pure linseed oil and oxide of lead or graphite paints.

"Don't forget that frequent inspection and care are very necessary.

"Don't let the cost and interest accounts be the governing factors in the case of protecting any metal structure on whose continuity and strength human life and safety depend.

"In comparing the two paints recommended, it may be well to add that a properly made graphite paint should prove more durable and a better protector than oxide of lead. Graphite has a strong affinity for metal surfaces, and experienced painters claim that even where light colors are desirable, graphite paint should be used as a priming coat. Again, graphite is impervious to the action of heat, cold, sea air, acid or alkali fumes, which are more or less destructive agents to lead paints."

The Joseph Dixon Crucible Co., Jersey City, N. J., have manufactured a pure linseed oil and graphite paint for over twenty-five years, and have some very convincing testimonials of its value.

Bullet Proof Shields.

The invention of bullet proof shields is enlarging, and the patent office will soon, if it go on at the present pace, be compelled to establish a special sub-department for the exposition of devices in this direction. A point is laid down by a New York engineer, which is that the outer surface of such material should be of a soft yielding material. This breaks the blow, and then the resisting material is apt to ward off effectually the force of the projectile. If the outer surface is hard and unyielding, the blow is sometimes so great as to overpower the recipient of the shot, and instances are on record that men on the battlefield have actually been killed by this shock. The whole subject is an intricate one, and the progress made in it is not such as to deter the inventor from thinking out new devices.

The course of prices since 1861 has been, when considered thoughtfully, quite remarkable. During the War, prices advanced so rapidly that discounts became premiums, and it was not uncommon on certain articles to get a quotation of 125 per cent. premium. As the war passed away, and contraction took the place of expansion, the tide turned, and discounts, instead of premiums, were again quoted. The shrinkage in all classes of goods has been large. Cheap steel squares, which in 1878 sold at 50 & 10 per cent., now only bring 85 & 10 per cent., a remarkable reduction all things considered. Naturally the great reduction has come about in that of the cost of material and the improvement in machinery, rather than in lower wages.

James B. Tetley, Hardware, Pittsburg, Pa. HARDWARE: Enclosed I hand you check for one dollar, paying subscription for HARDWARE till September 10, 1895. Am very glad to say I like HARDWARE very well; I sometimes get information out of one copy that is worth more than one year's subscription to me.

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Mechanic to Governor.

In the fall of 1857, after the failure of the Ohio Life & Trust Co., business came to a standstill. In New Haven, Conn., where I lived, a few carriage shops kept a part of their great force busy, but with these exceptions all the great industries of that county were practically closed, says a writer in an exchange.

Among the thousands thrown out of employment was Hobart B. Bigelow, a journeyman machinist, who, after serving an old fashioned apprenticeship, had been for two years working at his trade in one of the large shops of the city. Some six months before the panic began he had married, and the couple were housekeeping in a three-room apartment in a modest way. Bigelow had in the savings bank a deposit of somewhat less than $200, which he did not wish to draw upon if he could avoid it. He had been engaged in building engine lathes of a kind for which there was a steady demand when business was normal. When his employers dismissed all their men except two or three, who were kept to do any odd jobs that might come in and keep the machinery of the plant in good condition, he went to them and told them he did not wish to be idle, that he understood the situation, and knew that months must pass before resumption of business activity could be expected. He asked them to let him come and work daily the usual number of hours and continue lathe building, they to charge up against the finished goods the cost of castings, use of the machinery, etc., and his time at his regular wages, the latter to be credited to him, and then, when lathes were again in demand, as fast as any were sold he should be paid for his work upon them and a specified percentage of the profit.

The firm consented. He then went to the tradesmen who supplied his family, told them of his engagement, showed them his bank book and arranged with them that on the first of every month he would pay for one-half of what he had purchased during that time, and they should trust him for the remainder until the lathes were sold. Six mornings every week he went to the shop, carrying his frugal lunch in his dinner pail, and worked his ten hours as briskly and blithely as though times were good. The following spring there was a resumption of activity, the lathes went off rapidly, and before midsummer Bigelow owed no man a penny and had more than $1000 to his credit in the savings back.

Nor was this all. A shrewd business man, one of those capitalists that labor leaders denounce, had seen the young man going daily to his work, and had his curiosity aroused sufficiently to make some inquiries about him. He was so favorably impressed that he sought an interview with Bigelow, and offered to set him up in business. The offer was accepted, and the young journeyman within eighteen months of the time of the shut-down was at the head of a considerable establishment, and before many years had passed he was himself a capitalist and a large employer of labor. Nor was that all.

He was so highly appreciated by his fellow citizens that, although a Republican, he was elected Mayor of the Democratic city of New Haven by a handsome majority, and a few years later, in 1880, he was elected Governor of Connecticut. Ex-Governor Bigelow died a few years since, mourned by his fellow townsmen; and those who knew him during his entire career like to refer to it, as the writer has done, as an example for other American workmen to emulate when times are hard and the outlook not encouraging. There are always better times ahead for those who have the courage and the faith of this young journeyman mechanic.

Regular Merchants vs. Transients.

The Elmira *Gazette* condenses considerable business wisdom into a little space in the following word of advice: "The Hardware merchants of Elmira are an honorable and square dealing body of men. They rent their stores by the year, and pay their help by the week or month. They sell straight goods, and represent them to be just what they are. It stands to reason, then, that the local merchants, who do business the year round, can afford to sell their goods cheaper than fake concerns which blow into town for a few weeks, rent a store for a short time and then ship their goods on to some other place. Cheap John Hardware looks tempting in a window, but when compared with substantial goods it can't stand the test, which fact is frequently not ascertained by the purchaser until after it is too late to get satisfaction. The Elmira Hardwaremen, who hire Elmirans to work for them, and keep their money in the city, need all the trade the city offers, and they should be patronized every time in preference to mushroom concerns who take the money away, and do not and cannot give as good value for the money as the old established tradesmen. Let these facts be borne in mind when reading hand bills about all sorts of wonderful bargains in Hardware."

Bicycles in the Hardware Trade.

INCORPORATIONS, NEW FIRMS, AND WHEELS ADDED BY THOSE ALREADY EXISTING.

Mukwonage, Wis.—The foundation has been laid for the new bicycle factory, which will be rushed to completion as rapidly as possible.

Toledo, Ohio.—The Colton Cycle Co, incorporated by Charles E. Kaufman, Geo. B. Colton, Frank G. Jaquet, John W. Fluke and Lewis B Colton, for the purpose of manufacturing bicycles and bicycle specialties; capital stock, $25 000

Oswego, N. Y.—G. B. Rich Cycle Co.; being organized by C. B. Rich, bicycle dealer, and others. A high grade wheel, the Ontario, will be manufactured, also ladies' and gentlemen's tandems. Capacity of the factory for the first year will be between 500 and 700 bicycles. Operations will commence with twenty skilled mechanics. The wheel to be manufactured is being designed by J. W. Shamp, of Buffalo, N. Y. Bicycle sundries will be added later on. A complete nickel-plate plant will also be added. The factory will occupy the second story of the Vulcan Iron Works building.

Cortland, N. Y.—E. B. Richardson, bicycles, store closed by sheriff, on three executions, amounting to $2883.36 held by Syracuse parties. Impossibility of making collections assigned for the cause of failure.

Madison, Wis.—The Hanson-Huennekens Cycle Co.; filed an amendment to the articles of incorporation, changing the style of the company to the Huennekens Cycle Co.

Boston, Mass.—The Overman Wheel Co. have broken ground for the erection of a new bicycle factory. The building is to be two stories in height and 40x70 feet.

Toledo, Ohio.—H. E. Richards & Co., bicycle repairing, removed to larger quarters at No. 618 Adams Street.

Portland, Me.—Bicycle Steel Tire Co., incorporated by John H. Coombs and E. L. Buffington, Boston, and E. L. Dyer, Portland, Me., to manufacture and deal in bicycles and other vehicles and appliances; capital stock, $250,000.

New Castle, Ind.—The Speeder Cycle Co. expect to get into their new plant, now erecting, by the first of December.

Syracuse, N. Y.—The Syracuse Bicycle Co. are placing on the market a new form of changeable gear, that promises to open up great possibilities with road riders.

Montreal, Can.—Reports throughout the Dominion indicate that all bicycle manufacturing plants are enlarging, and that many new concerns are preparing to build factories, as the result of the duty of thirty per cent. on bicycles imported from the United States.

Elkhart, Ind.—The Elkhart Cycle Co., incorporated by L. P. Halliday, H. E. Bucklen, Peltire Hill, W. L Collins, W. B. Pratt, O. D. Thompson, D. N. Weaver, J. H. Brodick and C. W. Green. The capital stock is $25,000.

Weatherly, Carbon County, Pa.—Weatherly Bicycle Mfg. Co., incorporated by William H. Caldwell, R. Boyd Schuyler, Wm. L. Driesbach, Williamsport, Pa., for the manufacturing and selling of bicycles and tricycles and all the parts appertaining thereto; capital stock, $30,000.

The Arcade File Works, Anderson, Ind., have let the contract for an addition to their works and will commence building the same immediately. The addition will be for the use of the forging and stripping departments. The building will be 95 feet long by 30 feet wide. It will be brick and entirely fireproof.

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The Latest Catalogues.

E C. Atkins & Co., Indianapolis, Ind., with branch houses in Memphis, Minneapolis and Chattanooga, have issued under date of October, 1894, a very handsome and comprehensive catalogue of more than a hundred pages and printed in colors, of their well-known line of Saws, Saw Tools and Mill Specialties. Upon every page may be found illustrations and descriptions of these various articles, the illustrations in colors, and in addition thereto there is a great deal of interesting information of value to people who handle saws. The book is a very handsome production, and reflects credit upon the well-known company by which it is issued. In handing the catalogue to the trade Messrs. E. C. Atkins & Co. say: "Our illustrated catalogue for 1894 contains revised lists of the goods of our manufacture, and supersedes all previous lists. Prices are subject to change without notice. We have branch houses at Memphis, Tenn., Chattanooga, Tenn., and Minneapolis, Minn., where we carry a stock of goods; and each house has a repair department fully equipped with improved appliances and tools. All repairs sent to our branch houses will be skillfully and promptly done by expert workmen. We take pleasure in announcing that we have added to our plant a complete outfit of the latest improved machinery and appliances for the manufacture of hand saws, butcher saws, and all other kinds of small work. We are now prepared to fill orders for all kinds of saws known to the trade, and respectfully solicit your orders. Our aim will be to make the highest grade of goods that can be produced, by the use of special fine steels, made from our exclusive formulæ, and special machinery of the most advanced types, coupled with our successful experience of thirty-seven years. We confidently assure you that you will find our new lines as satisfactory to the user as those on which our reputation is so firmly established." They call especial attention to their new line of goods, hand saws and other small saws which they are now producing. Also their Columbian Mossback cross cut saw, which they say "is the coming saw, embodying all of the improvements in cross-cut saws." They further add that their line of silver steel hand saws are very fine goods, and are highly appreciated by the trade.

The Philadelphia Lawn Mower Co., Philadelphia, Pa., have issued a very handsome illustrated catalogue and price list of their well-known product. It contains not only illustrations of their various Lawn Mowers, but a great deal of other matter of interest in connection with that line, including Lawn Sweepers, Lawn Sprinklers and Carriage, etc., and in addition, has a number of interesting articles filled with information to anybody dealing in this line. Among them is one on the sharpening process of mowers, the construction of mowers, directions for ordering repairs, some notes upon export trade, etc. The book is handsomely finished in a typographical sense, and the illustrations are very finely printed. In a note of introduction the company say: "We invite your attention to our large line of Lawn Mowers included in this catalogue, and we trust by careful inspection of it, you may see we are keeping abreast of the age in the many improvements, and watching with unrelaxed attention the interests of our customers. They are constructed upon the best mechanical principles, and on account of their simplicity and superior construction, are more durable, possess more useful and valuable features, less liable to get out of order, and will do better work than any other Lawn Mower made. Our only regret is, that owing to the increased demands for our goods during the past season, far beyond our expectations, our facilities were for a while inadequate for handling the business, but our arrangements are now so complete that there will be no cause for complaint in the future."

Fred F. Bischoff, Libertyville, Ill., has issued a very large and well illustrated descriptive catalogue of the Bischoff Steel Shell Ceiling, which line HARDWARE has had the pleasure of making known to the trade through its columns continuously for some time past. All the forms and styles of decoration in this line manufactured by Mr Bischoff with sectional views, etc., are shown in this work which is certainly one that ought to be in the hands of every person interested in this line of goods. Mr. Bischoff, in description of his output in the catalogue, illustrating it, says: "The style of plastering the ceiling of buildings has been so long in use, and the expense to keep them in repair is so great and annoying to the occupants, that various improvements have been suggested by parties who are directly or indirectly interested in the building line. It is a well known fact, notwithstanding how careful plastering may be done, there are many serious objections: It is easily stained or discolored, and very little vibration causes it to crack and fall off in patches or in case of fire very often destroying it completely. These facts are well known and many practical men are devising different methods of overcoming these inconveniences and bringing into use a material that will not fill your building with dirt, and daub everything with which it comes in contact, and this material has been found in Sheet Metal Ceiling and Wainscoting. The advantages of this modern substitute are many and briefly cited. It is fire and waterproof, is durable and permanent, will not shrink, burn, warp, crack nor fall like plaster or wood ceiling. It cannot be spoiled from bursting waterpipes or defective roofs, consequently it prevents the destruction of carpets and furniture by that agency. It can readily be applied over old plaster, and remain perfectly secure. This is an important feature that will be readily appreciated by builders."

Sargent & Co., New York and New Haven, have issued a handsome catalogue covering their carriage and harness Hardware. It contains near fifty pages, and is filled with adequate illustrations and descriptions of the great line of goods which they carry under this heading. It will, of course, be a matter of impossibility to enumerate these, but those who are interested can very soon learn for themselves, by sending to Sargent & Co. for a copy of this handsome catalogue.

The Yost Mfg Co., Yost Station, Toledo, Ohio, have issued a handsome document called "The 4-Runner of 1895," describing and illustrating in colors their handsome line of Falcon wheels. This is a publication that ought to be in the hands of every Hardwareman who is interested in wheels as it will give him a great deal of practical information, even though he may not be interested in this particular wheel. We shall take pleasure hereafter in giving a more detailed description of the output of this well known company.

The Eagle Bicycle Mfg. Co., Torrington, Conn., have issued a handsome little leaflet describing their output for the coming year. It is headed "Aim," and in explanation of this word they say: "Our Aim for 1895 is to build the lightest and most reliable line of bicycles in the world. To accomplish this we have spared no expense to start right. Every feature of our new line for 1895 is new and a distinct departure. We have utilized no old parts or material. Each design is new even to the smallest detail The models are marvels of rigidity and lightness. Five distinct patterns, each of entirely new design, offer a wide range of choice. Specially constructed mounts for track racing and road racing, also for riders of more than average height, are prominent features. A featherweight Ladies' Machine, of new design, and equipped, not only with Eagle Aluminum Rims, but with aluminum dress guards, mud guards, trimmings, etc., serves to complete the new line."

The Lunkenheimer Co., Cincinnati, New York and London, have sent us a very handsome catalogue of more than 100 pages, bound in heavy red covers, of the line of brass and iron valves, lubricators and steam specialties manufactured by them. These goods are thoroughly illustrated with descriptions and price lists accompanying the same. In a note of introduction they explain that they pay great attention to a high standard of excellence, using "only the best materials" and maintaining "a rigid system of inspection in the production of every article," all of which are subject to tests before shipment. They further say: "All our steam goods are made according to the United States Government standard of steam composition. . . . Our rigid system and care in producing only first-class, high grade goods during the last thirty years, has brought our specialties to such a state of perfection, that we can justly and modestly claim that they are to-day better than ever."

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

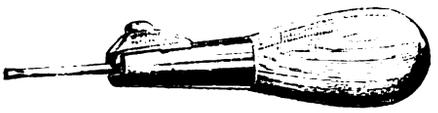
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Johnstone's Brad-Awl Handle.

C. E. Jennings & Co., New York, are placing upon the market a recently patented invention, the Johnstone's Brad-Awl Handle, which is herewith illustrated. The awl is put into the



handle with one of the square sides of the flange of the awl against the projecting end of the socket and then the cover is screwed on tightly on top of it When changing the awl, the screw is slackened, and the cover turned to one side, a screwdriver being placed in the notch behind the flange of the awl, and then it is pushed out. The point in this handle is that it does not allow the awl to slip, the wood being penetrated no matter how sharply, the handle draws the awl quickly and securely. In these days when the carpenter drives the screw into the wood, the advantage of this handle will be apparent,

The California Wheel.

The Wheel here shown is the invention of Wells H. White. Los Angeles, Cal. It is constructed upon an unique principle. "It is made of but two pieces, not including the lap which covers the end of the axle, which are held together by bolts, and by the tong and groove principle when brought together and embracing the spokes between them, forms essentially but one piece of metal, between the spokes are held absolutely secure with the recesses in them for the annular rings in each half fitting perfectly, as shown in the engraving. The two pieces are cast with cores and recesses, so as to be babbitted and thereby fitting any size taper, length or shape of axle manufactured. This feature of the hub is considered of immense value to it, from the fact that the hub can be renewed in its wearing to an indefinite time by the babbitting renewals, at very light expense, and at the same time get absolute fit to the axle; and on account of the babbitt metal, the vehicle running much easier, and with any speed that can be obtained from a horse, heat would be impossible. The wheel being in place on the axle, the cap is screwed over the end, covering the nut and excluding the dust; it covers the end of the axle and

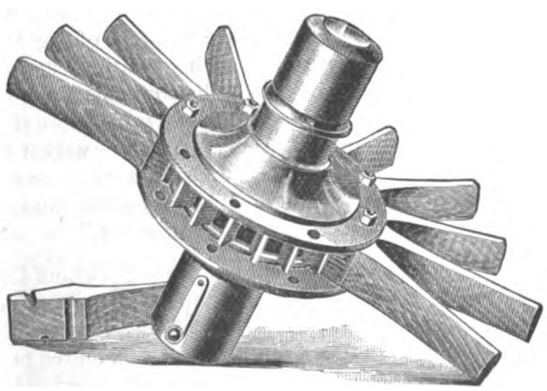


FIG. 1.—THE CALIFORNIA WHEEL.

hides the blackened grease that so completely mars the beauty of a hub. The entire hub, being made of malleable iron or any other alloy that may be preferred, can be electro-plated in either nickel or gold and kept up to any degree of finish. As for example, the outer front part of the hub can be quickly removed for re-plating, leaving the rest of the wheel intact; the inside half of the hub, always being finished in paint and varnish, the same as wooden hubs. Among the many and great advantages of this wheel, may be mentioned the fact that whereas, in all wooden hubs, the wheel is much the weakest part of it where the spokes go into the hub, from the fact that the spokes are here the weakest, having short bearings and thin tenons, whereas in this, the spokes are here the strongest, giving the wheel at this point fully double the strength of any other wheel, while at the same time any one or more of the spokes in case of breakage, can be taken out and new ones put in, by removing the front half of the hub, taking out the broken ones and replacing them with new ones, and this all done without re-

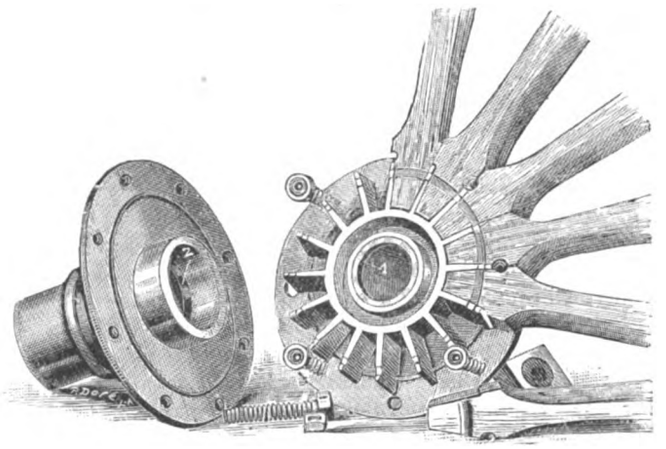


FIG. 2.—PARTS DETACHED.

moving a tire, cutting off a bolt head or boring out an old tenon. It is equally evident that the two parts of the hub can be drawn tighter together by the bolts, should the spokes show any shrinkage any time after use. It will further be seen from the engravings that the nuts on the bolts which hold the two pieces together are so securely locked that there is no possibility of the bolts jarring loose. It is further seen, that the axle can be oiled without removing a wheel or a nut from the axle or soiling the hands. Any or all pieces, including the cap, of which the hub is composed, may be kept in duplicate, making repairs a very simple operation. These wheels are made of any size or strength for all classes of vehicles, from the lightest sulkies to the most ponderous steam fire engine carriages, while at the same time with the proper finish of the front half of the hub, more beauty is obtained than in any other vehicle in existence. When the great difficulty of fitting different manufactured axles to different makes of boxes is considered and the cost attending the same, something of the value of this new wheel may be understood, and still more, when its extreme simplicity, durability, strength and susceptibility of high finish is seen, its value can hardly be measured."

Christensen's Line Fastener.

Herm. C. Larsen, No. 23 East Fourteenth Street, New York, is putting upon the market Christensen's Line Fastener, which was patented June 26, 1894, and is herewith illustrated. "With it one can tie and untie the line as easily and quickly as it is dropped. There is no slip, no jam or cutting of the line, and it is always readily and easily worked, thus saving the line, and paying for itself in a short time. This is accentuated by the fact that all pulley lines must be tightened every time that



clothes are hung upon them. In operating the line, the end that comes from the pulley in the window frame should be nearest to the slit, the other end is then pushed through in the opposite direction, and pulled through in tightening the line. A glance at the illustrations will readily show the advantages of the new over the old way."

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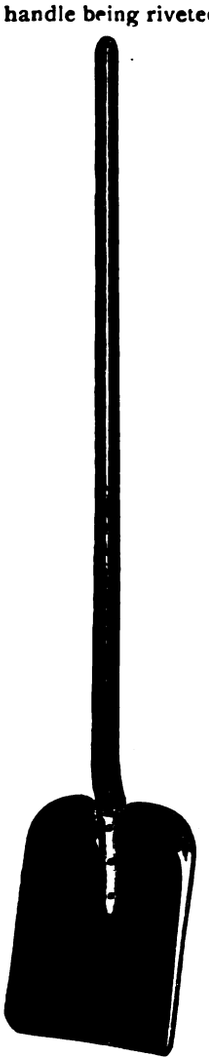
"Ohio" Knock-Down Stovepipe.

The "Ohio" Knock-Down Stovepipe is being placed upon the market by the Geauga Foundry & Mfg Co., Painesville, Ohio. The points which they make in its favor are "the ease with which it may be put together or taken apart, this being accomplished in a way that will become apparent upon examination; is strongly made and capable of being extended to almost any desired length without danger of collapsing or permitting any of the smoke to escape; is shipped in crates holding twenty-five joints of different sizes."



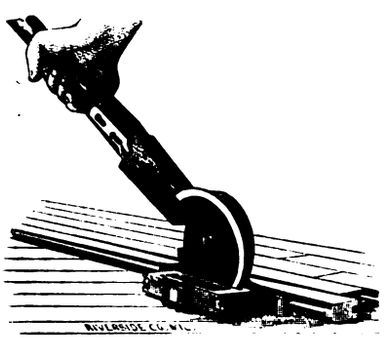
Hobart's Snow Shovel.

The new Hobart's Snow Shovel here shown is being placed upon the market by the Oliver Ames & Son Corporation, North Easton, Mass. In describing it they say that it has been "highly commended by all who have seen it. The shape of the blade is such that the damp snow will clean from it easily, and the handle being riveted into a socket makes it much stronger than the ordinary snow shovel. It is also adapted for use in stables and for ashes." They will be pleased to send prices, etc., upon application.



Handy Floor Jack.

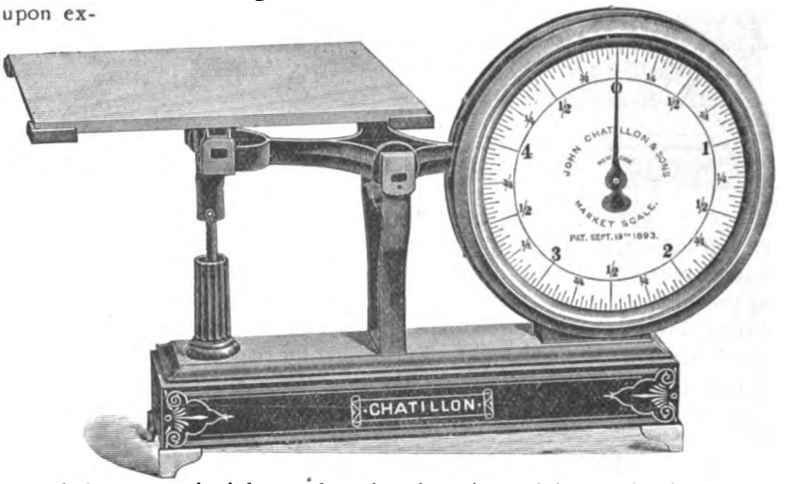
The Handy Floor Jack is being placed upon the market by the Racine Malleable & Wrought Iron Co., Racine, Wis. When used, it is set against the board with the handle turned down, the operator's foot placed on the foot block, and the handle pulled up until the board is forced home, where it will stay without holding until the nailing is done; the handle is made to swing out of the way if brought down near enough to the edge of the board to interfere with nailing. The makers say:



"A Jack is not needed on the body of the floor where boards run straight and are easily driven up, but have the Jack handy so you can use when needed on crooked or poorly matched boards, and near the wall, where there is not room to drive. Where a particularly fine floor is required it should be used on every board, and will save time and give superior results. On poor matching where boards will not go up, put on a good pressure, and then strike a few light blows on the projecting end of the head block."

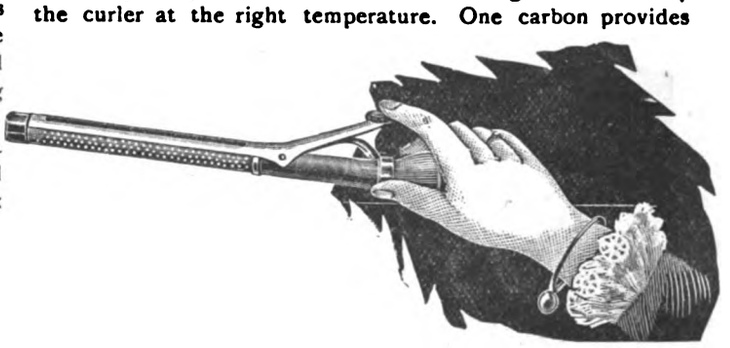
Chatillon's Even Balance Market Scale.

John Chatillon & Sons, New York, are placing upon the market their Even Balance Market Scale, which was patented September 19, 1893. The scale is herewith illustrated. It has agate bearings, is a most accurate and sensitive scale, made on new principles, and registering the weight on the dial instantaneously. It is one of the many improvements that this enterprising and progressive firm have made within the past year.



Gypsy and Trixy Curling Irons.

The self-heating Curling Iron here shown is being placed upon the market by the Trixy Hair Curler Co., Cincinnati, Ohio. They make both the Gypsy and Trixy irons, which are the same in construction, but different in finish. In description they say that "the curler consists of a light perforated metal tube, attached to a mandrel, having a small opening through its length; this in turn is connected to a rubber bulb, which serves as a handle; a chemical compound, known as a carbon, of a round oblong form, supplying the heat. The perforated tube contains a spiral wire holder in which the carbon is placed, the holder being inserted after removing the metal cap from the end of the tube. In operating, the carbon is lighted in the holder and placed in the perforated tube; the metal cap is replaced and the bulb compressed rapidly a half dozen times or more while the carbon is igniting; bulb is occasionally compressed while the hair is being curled to keep the curler at the right temperature. One carbon provides



sufficient heat to meet all ordinary requirements for curling at one time; the curlers are quick in operation, simple in construction, convenient in use, cheap, clean and practical; will never become smutty, corroded nor out of order; they will never burn out; no vexatious delays encountered in reheating or from over-heating; temperature may always be kept the same and do not burn nor scorch the hair." The Gypsy is of plain bright steel finish, while the Trixy is nickel-plated and provided with a plush finger piece. The curlers are each packed in a box with twenty-five carbons.

Box Strap Seal.

The Cary Mfg. Co., Nos. 5–9 Elm Street, New York, are putting on the market a patent Box Strap Seal, to which the accompanying cuts relate. The seal consists of a piece of sheet metal about four inches long, formed up as shown in Fig. 1, having a round nail hole in the centre of the bottom and oblong slots near the ends. The sealing strip, Fig. 2, is of soft card board with the name or initial of the shipper printed on it. The seal is for use in connection with the company's uni-

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versal strapping. When applying the seal the box is first strapped in the ordinary manner, the ends of the straps, however, being left loose, and long enough so that the ends will not overlap each other. The seal is fastened to the case where the strap ends overlap by a nail driven through the small hole in the centre. The loose ends of the strap are then laid in the seal, over which is placed the sealing strip, the small holes in

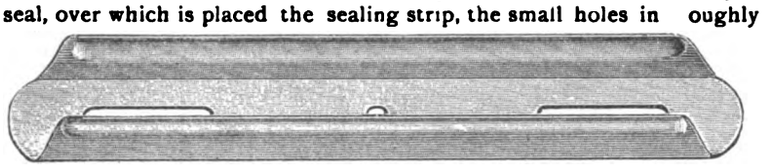


FIG. 1.

each end indicating where the nails are to be driven through the strip, both thicknesses of strapping and through the slots near the ends of the seal into the case. The sides of the seal are then closed over and forced down firmly upon the sealing strip by the aid of a closing tool furnished for that purpose. The raised edges of the seal are for the purpose of protecting

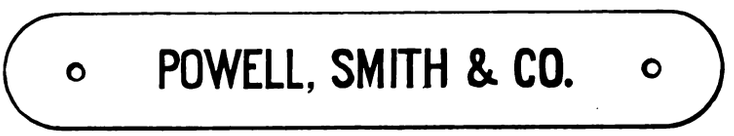


FIG. 2.

the name on the sealing strip from abrasion in handling. On one end of the case, Fig. 3, the operation of applying the seal is shown, while on the other end the operation is shown completed. The device is especially designed for the use of shippers of all goods apt to be stolen in transit, as it seals both ends of the strapping around the packing case. The case or strapping cannot then be tampered with without being readily detected upon receipt by the transportation lines or consignees. Cigars or other goods, where a cord is used around the centre of the case, the two ends being sealed together, are often tampered with by removing some portion of the strap on the end, and springing up a board and removing the goods in this way, without disturbing the cord or seal. In other cases where a narrow wire box strap is used, the nails are often withdrawn without removing the strapping, and some portion of the end taken out and put back again after the goods have

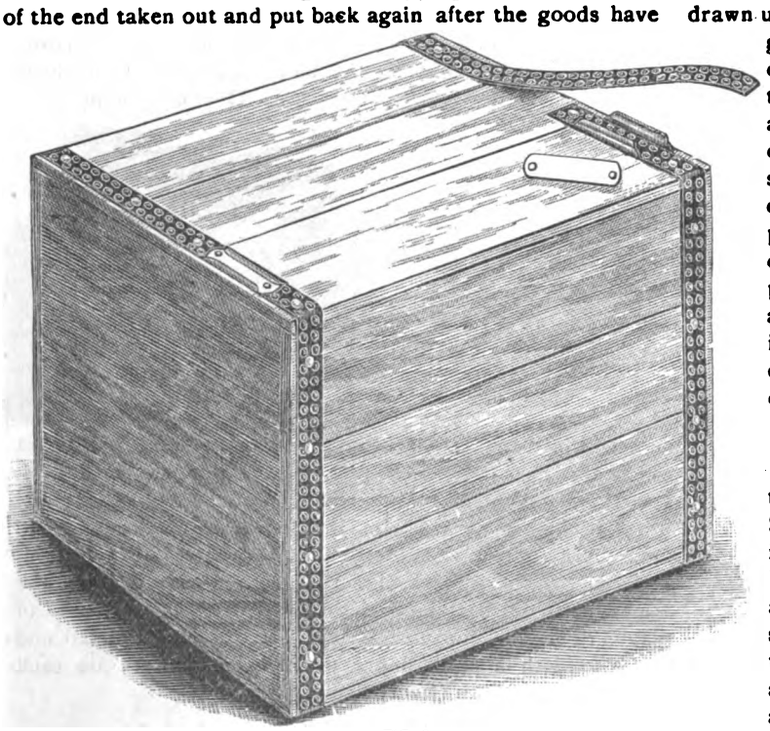
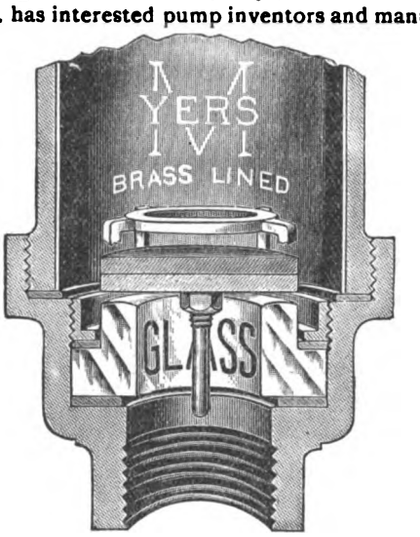


FIG. 3.

been stolen. This is absolutely impossible where the strap and seal are used, as the strap covers the heads of the nails in the sides, top and bottom of the case, so they cannot be withdrawn without tearing away the strap or breaking the seal.

Myers' Glass Valve Seat.

F. E. Myers & Bro., Ashland, Ohio, are successfully placing upon the market the Myers Improved Patent Glass Valve Seat, an illustration of which is herewith shown. They say that it has one feature of excellence common to all their pumps—patent drop valve. In further explanation they say: "The cut is a very plain illustration of an improved method of placing the Myers Patent Glass Valve Seat in pump cylinders. The subject of making a valve seat for pumps, that would be thoroughly reliable, has interested pump inventors and manufacturers for years. Metallic seats are not satisfactory, for the reason that they corrode and throw off particles which the leather check valve partakes of, causing it to become hard and lose its pliableness and packing qualities, and causing the pump to lose priming. Rubber seats do not have sufficient endurance for deep-well use. The utility of glass for a valve seat cannot be questioned. It is non-corrosive, and is smoother and more perfect than any metallic seat that can be machined. It is extremely hard and does not throw off corrosives, and the leather operating on the glass retains its softness. It will be apparent that the mode of holding the glass seat is the best that could be invented. The valve cap is turned out perfectly true. The glass is underlaid with a rubber gasket. The leather check valve is placed on top of the glass, and the glass seat and check valve are held firmly in place by a brass follower, which can be drawn up absolutely tight, thus holding the check valve and glass seat in a reliable manner. Another very important advantage is that the valve seat and check valve are entirely independent of anything else, and cannot be affected by the swinging of the suction pipe, or become disarranged in taking the pump or cylinder apart. The patented improvement is our exclusive property, and has been developed and perfected by us, and is now used in all Myers Pumps with seamless drawn brass or brass-lined cylinders of all sizes."



Phillips' Bent Blade Snow Shovel.

In the issue last preceding mention was made of a new Bent Blade Snow Shovel with a steel point, being manufactured by the A. J. Phillips Co., Fenton, Mich., and we are here permitted to illustrate the same. The makers speak in high terms of its lightness, and the adaptability of its form to easy loading and unloading. They also refer to the great quantity of snow which can be disposed of by its use, with little labor. They will be pleased to send further description, prices, etc., upon application.

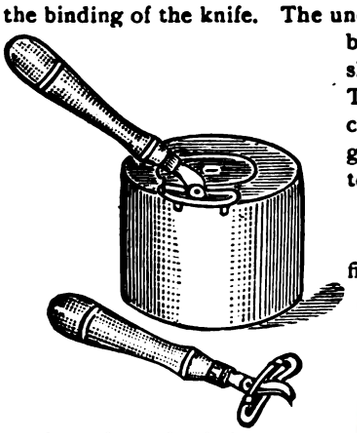


Yerdon's Can Opener.

Yerdon's Perfected Can Opener here shown is being placed upon the market by William Yerdon, Fort Plain, N. Y. Its form and method of operation may be understood from an ex-

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amination of the accompanying illustration. The maker explains that the knives are of steel and oil tempered; the cutting is at the outer edge of the can; and adds: "The curved plate with guides compels the knife to cut on the extreme outer edge of the can, thus enabling the contents to be removed when so desired. The guide plate being of brass, will not rust and is not liable to break. The slot in the guide brake being beveled, allows the tin when cut to turn up, thus preventing the binding of the knife. The under surface of the guide plate being corrugated, prevents its slipping on the top of the can. The point of the knife cannot come through the slot in the guide plate, so it is not liable to cut the hand."



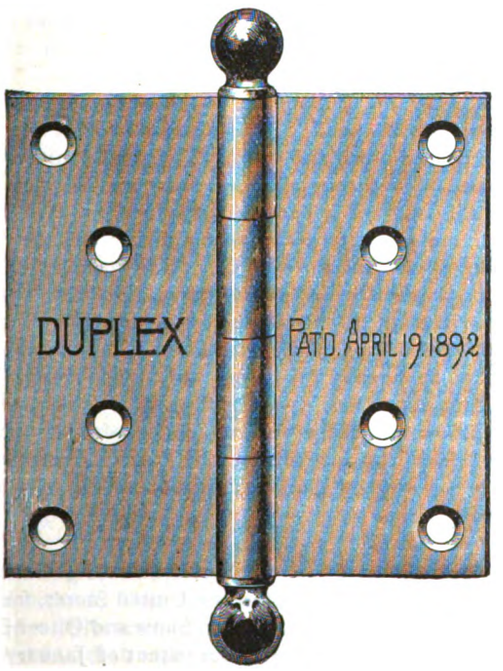
A Glass Oil Can.

The Ohio Lantern Co., Tiffin, Ohio, are putting on the market, through their agents, W. W. Pryor & Co., No. 81 Chambers Street, New York, a novel Glass Oil Can, with the sides protected with coiled spring wire, which affords a cushion to the glass, making it very difficult to break the glass either on the top or sides. The wire covering being woven around the glass jar or can allows the user to see the oil without having to look through the openings. The wire is tinned to prevent rusting, which often occurs when plain wire is used, making it neat in appearance and very durable. The trade can inspect samples, and get stocks such as they may need at factory prices, at the New York office.



"Duplex" Wrought Butts.

The accompanying illustration shows the "Duplex" Wrought Butt manufactured by the Reading Hardware Co., Reading, Pa., whose New York offices are at Nos. 96 and 98 Reade Street. This butt "differs materially from other wrought butts now in the market, in being made of double thicknesses of metal, and having hardened steel bearings which run through the entire length of the barrel in all sizes." It is claimed that this method of construction "adds greatly to the strength and durability of these butts." The "Duplex" are made in cold rolled steel and also in wrought bronze. They have wrought steel pins with ball tips and are finished in the best possible manner.



The Everett Raisin Seeder.

This Raisin Seeder is being placed upon the market by the Everett Specialty Co., Boston, Mass. It is described as a "simple device, that with a little practice will enable one to seed a pound of raisins in less than ten minutes. The simplicity of construction, and its low price, together with the perfection and ease with which it performs a work ordinarily irksome and tedious, commends it to every housekeeper in the land, as well as all restaurants, pastry cooks and hotels. A child can use it." The directions for its use show its ease of operation: "Pour boiling water over the raisins and let them stand a minute to prevent them sticking to the wires or hands. Spread the raisins while wet and warm on a table, bread-board, or any hard, flat surface, and press the wires down upon them, with the wires lengthwise of the raisin; use a slight rocking motion and just sufficient pressure to force the seeds through the wires. To remove the raisin, draw it toward the end of the wires, lifting it at the same time. Experience shows that the knack is readily acquired upon seeding half a dozen raisins. It is absolutely necessary to use boiling water to obtain the best results. Do not try to seed a dry raisin."



Keenedge Skate Grinder.

The Keenedge Skate Grinder here shown is being placed upon the market by Charles Perkins, Bridgewater, Mass. It is described as a useful and practical device for grinding skates.

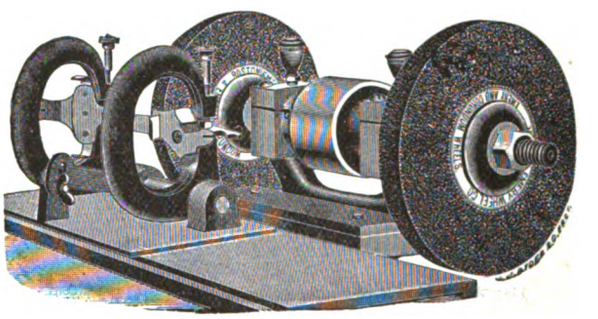


FIG. 1.—COMPLETE MACHINE.

In Fig. 1 we show the complete machine; in Fig. 2 the Skate Holder. "The Holder can be used on any emery grinder, by simply attaching a plate of wood or iron, and the skate is ground perfectly without the exercise of any skill on the part of the operator. Both the Holder and Grinder are thoroughly made, strong and durable, and sold at prices to suit the times With this machine a boy or inexperienced person can grind skates faster and better than an expert in the usual way. It will grind square or high on either edge as may be desired. Six to ten inch wheels of No. 40 to No. 60 emery should be used. Directions for use: Clamp the skate firmly in the

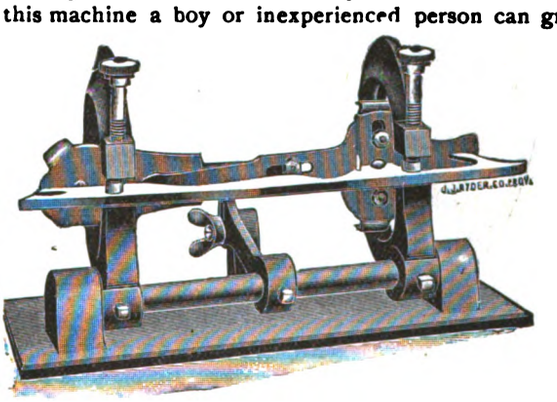


FIG. 2.—SKATE HOLDER.

Holder and move Holder and skate to and fro, holding the skate lightly against the wheel to avoid heating the runner. Care should be taken to grind the blade evenly for its entire length, taking as much off the ends of the blade as off the centre so as to preserve the proper curve of the runner." Price of machine complete, $30; Countershaft extra, $12; Skate Holder, $6; Foot Power machine complete with one wheel, $35.

Illustrated Bicycle Novelties.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

New Bicycle Wrench.

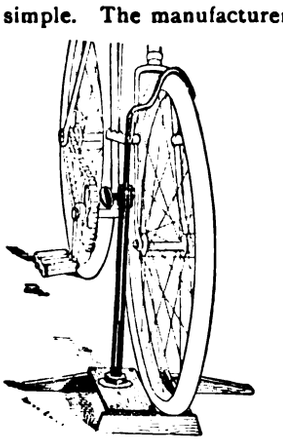
The Barnes Tool Co., of New Haven, Conn., offer a new pattern of Bicycle Wrench for the season of 1895, which we illustrate herewith. It resembles their 1894 pattern in general

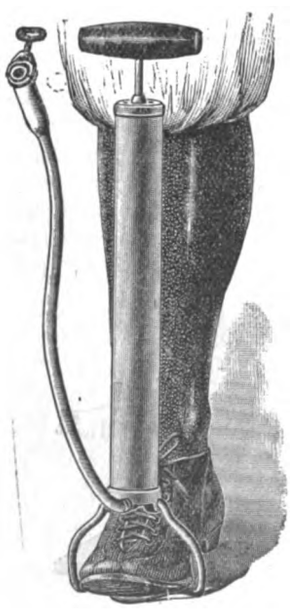


appearance, but is heavier, and consequently stronger. They report more sales of their 1894 pattern than of any of their previous patterns, and have indications of still greater popularity of their wrenches during the coming season. The 1895 wrench is all steel, case hardened jaws, finely finished and nickel-plated; the length is 5¼ inches; opens 1 5-16 inches; weight, 6¾ ounces. The makers speak of it in the highest terms of its strength.

The Pittsburg Bicycle Stand.

We show herewith the Pittsburg Bicycle Stand, being successfully placed upon the market by Wm. M. Justice & Co., No. 705 Penn Avenue, Pittsburg Pa. It speaks for itself, and is described as simple, strong, portable and cheap, whether for use in the salesroom, club house, home, or elsewhere. It will hold the bicycle upright, without being easily upset; has no frail parts; can be quickly and securely attached or detached; fits all sizes and styles; can be attached to either front or rear wheel; is light, ornamental and simple. The manufacturers are offering special inducements to jobbers and sundry supply houses and will furnish electrotypes for catalogues, etc. Further particulars can be obtained by writing to the above address.





Heath Ball Valve Pump, Etc.

In this connection we are permitted to show the Heath Ball Valve Pump and Universal Coupling, being placed upon the market by the S. F. Heath Cycle Co., Minneapolis, Minn. In describing it, they say: "This pump is used by cyclists to inflate their tires, and the coupling makes it possible to connect with all or any of the tire valves easily, quickly and perfectly, without using the thousand and one nipples necessary to the various valves. We have had an excellent trade the past year and have closed some very big contracts for the 1895 goods already. We have improved the pump in various ways; the finish will be much finer, the hose, instead of being half inch throughout, will be that size only at the outer end, the balance will be much smaller, thus giving flexibility and a saving in inflating the tire of one full stroke. The hose will be wired to a nipple so that all the customer will have to do on receipt of pump will be to screw the hose into the pump, attach it to his tire, and pump in the wind. We have improved the coupling, making it stronger and of such a design as to overcome some of the slight difficulties met with in the smaller valves. While we have added all these things at an additional cost to manufacture, the price will remain the same, not only to the user but to the dealer. We have prepared ourselves to manufacture in large quantities in anticipation of the demand sure to come, which we promise to attend to promptly in 1895, as in the year past."

The Works of F. E. Myers & Bro.

Under the heading, "A Glimpse of Some of Ashland's Successful Enterprises.—The Lessons They Teach," a writer in the Ashland (Ohio) *Press* speaks as follows of the extensive and busy works of F. E. Myers & Bro.: "Ashland can boast of one of the most successful industries of the whole country, in point of phenomenal growth and volume of business—the establishment of F. E. Myers & Bro. When we compare the present capacity of this firm with that of scarcely a dozen years ago, we are astonished at the rapid strides that must have been made. Think of the fact that just a few years ago they were struggling with their 'infant' industry on Main Street in the old Mansfield building, where their entire floor area did not succeed 3500 square feet. Now, after the completion of the new extension, the aggregate of floor space reaches to nearly 80 000 square feet. Their volume of business annually reaches nearly $400,000. Two hundred men are employed in the shops, and seventeen men at work as salesmen representing hay tools and pumps in every State in the Union. Nor is this the limit of their trade. Their goods reach many foreign countries, to which they are constantly increasing their exports.

"What kind of a lesson does this teach? Do we presume for a moment that men are, fortunately or unfortunately, the victims of circumstance? Circumstances have something to do with the history of every individual. But the individual has something to do with circumstances. He can shape them as far as his ability and energy go. This teaches a lesson of what ability, coupled with persistency, can do. We are very often eager to bring into question the legal and moral rights of men in accumulating riches; ready to point at more successful men with more contempt than pride, and eager to shove every one below us a little further down the hill. A miser is no better than a tramp, but a successful business is a benefactor to the locality in which it operates.

"Think of the many mouths that are being fed by the above firm through its channels of business and trade; the increase of wealth to the town and country; the many homes that are being maintained through labor rewarded. In fact, socially these enterprises are a benefit to the people. We see what sober manlike characters can accomplish. We see employer and employee working for each other's advancement. We see confidence in each other expressed in the office and on the street. In the office and in the shop you will find familiar faces. Men who have grown with the business until they now seem to be—they really are—a part of it. Their work has been acknowledged and their salaries increased. It is a pleasure to them to please, and enjoy the confidence of their employers. The growth of the institution itself means increased prosperity to the worthy laborers. Is not this a lesson to the sluggard?"

Suit is being brought by the Enterprise Mfg. Co. of Pennsylvania, in the Circuit Court of the United States, for the District of Connecticut, against Levi T. Snow and Oliver D. Woodruff, for infringement of the Baker patent of January 30, 1883, in the manufacture of a Meat Cutter designated "The Connecticut Meat Chopper." The patent sued upon is the same patent upon which, at the suit of the Enterprise Co., several parties were some years ago enjoined.

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Sargent's List on Carriage and Harness Hardware.

Sargent & Co., New York and New Haven, have issued a new discount sheet of Carriage and Harness Hardware, from which the following selections are made:

Harness Hooks	Discount,	50 & 10%
Store Rack Hooks	"	50%
Harness or Baggage Hooks	"	50%
" or Collar Hooks	"	50%
Trap Door Rings and Staples	"	85 & 25%—
Hitching Rings	"	66⅔%
" Hooks and Rings	"	70%
" Post Caps	"	80%
" " Rods	"	70%
Rein Chains	"	75%
Hitching Chains	"	70 & 10%
Halter Chains	"	70 & 10%
Breast Chains	"	70 & 10%
German Snaps	"	40 & 10%—
Sargent's Patent Snaps	"	70, 10 & 10%
Cock-Eye Snaps	"	70 & 10%
Open Spring Snaps	"	70%
Covered Spring Snaps	"	60 & 10%
Cattle Ties	"	60 & 10%
" "	"	70 & 10%
Halter Trimmings	"	70 & 10%
Rope Halter Leads	"	60 & 10%
Horse and Cattle Ties	"	60 & 10%
Hitching Halters	"	60 & 10%
Cattle Leaders	"	70 & 10%
Bull Snaps	"	75%
" Rings	"	80%
Ox Balls	"	60%
Kentucky Cow Bells	"	70 & 10%—
Western "	"	70 & 10%—
Sheep and "	"	60 & 10%
White Metal Mane Combs	"	55%
Carriage Knobs, Japanned	"	60 & 10%
" " Silvered	"	55%
File Handles	"	55%
Screw driver Handles	"	60%
Awl Hafts, Nos. 21 and 22	"	55%
Patent Awl Hafts	"	60%
Peg Awls	"	60%
Brad Awls	"	60%
Sewing Awls	"	60%
Hand Scratch Awls	"	60%
Brad Awl Handles	"	55%
Handled Brad Awls	"	55%
Carriage Makers' Clamps	"	70%
" " " Adjustable	"	50%
Cabinet Makers' Clamps	"	50%
Door Clamps	"	60, 10 & 10%
Bench Vises	"	60, 10 & 10%
Horse Shoeing Pincers	"	60 & 10%
Hoof Nippers	"	60 & 10%
Blacksmiths' Tongs	"	75 & 10%
Heller's Farriers' Tools	"	40%
Westenholm's Farriers' Knives	"	Net.
Maydole's Hammers	"	25%
S. & Co.'s "	"	40%
Heller's "	"	40%
" Horse Tooth Files	"	40%
" " Rasps	"	60 & 10%
Nicholson's Horse Rasps	"	60, 10 & 10%
Saddler's Punches	"	65%
Solid Punches	"	65%
Morrill's Universal Punches	"	35%
Spring Punches	"	65%
Revolving Spring Punches	"	65%
Moran's Shoe Knives	"	25%
Ames' " "	"	20%
Appleton's Washer Cutters	"	60 & 10%
Rivet Sets	"	70%
Blacksmiths' Drills	"	55%
Machinist-Blacksmiths' Drills	"	55%
Sockets for Square Shanks	"	55%
Lining Nails	"	20 & 10%
Furniture Nails	"	50%
Clinch Staples	"	80%—
Carriage Bolts, Common	"	10 & 15%
" " Philadelphia Pattern	"	10%
" " Eagle Philadelphia	"	70 & 10%
Tire Bolts, Bay State	"	70 & 10%
" " Fluted Bay State	"	70 & 10%
" " Eagle Philadelphia	"	80 & 10%
" " Norway Philadelphia	"	7 & 10%
Sleigh Shoe Bolts	"	80 & 10%
Plow Bolts	"	60%
Coach Screws	"	85%
Machine Bolts	"	80 & 15%
Bed Screws	"	20%
Copper Rivets and Burs	"	60%
Coppered Iron Belt Rivets and Burs	"	60%
Merriam's Beveled Clinch Rivets	"	40%
Iron and Brass Jack Chain	"	66⅔%—
Brass Safety Chain	"	60%
Triumph Trace Chains	"	70 & 10%
" Cow Ties	"	45%
Ohio Cow Ties	"	65%
Triumph Halter and Coil Chains	"	60, 10 & 10%
German Halter Chains	"	70%
" Coil Chain	"	70%
American Horse Clippers	"	40%
Martin's " "	"	20%
Brown & Sharpe's Horse Clippers	"	20%
Curry Combs	"	40%
Rubber Curry Combs	"	20 & 10%
Horse Cards	"	25%
Spring Curry Combs	"	50%
Judd's Harness Snaps	"	66⅔%
Harness Rings	"	50%
Cock Eyes	"	45%

The Boston Belting Co., Boston, Mass., and New York, have issued a series of large cards bound together, illustrating the best modes of fastening belts of all sizes. The company are issuing these to their customers in the Hardware trade, who are not always posted as to the best methods of fastenings and attachments. The company have lately delivered to one of their customers a ten-ply rubber belt sixty-two inches wide, which cost fifteen hundred dollars.

Meeting of Stove Men.

A meeting of the National Association of Cast Iron Stove Manufacturers has recently been held in St. Louis. It embraced manufacturers from Quincy, Hannibal, St. Louis, Memphis, Nashville, Springfield, Mo., Indianapolis and Vincennes, Ind., and was called to discuss subjects of general interest to the members of the association. National Secretary D. M. Thomas, of New York, and National President George D. Dana, of St. Louis, and about twenty others were present.

The subjects discussed were:

1. The probable condition of general business during 1895.
2. The probable volume of the stove output in 1895.
3. The probable stocks of stoves December 31, 1894, in the hands of dealer and manufacturer.
4. The rate of molders' wages for 1895.
5. The probable cost of manufacture in 1895, as compared with 1894.
6. Losses through bad debts in 1894.
7. Freight rates on car loads and less than car-load shipments.
8. The present railroad classification, its injustices and the proper remedies.
9. Breakage by railroads and compensation therefor.
10. The unification of State laws for collecting debts.

The conference was purely of a private character, the members refusing to make the results public.

Some Notes from Pittsburg.

John Morison, No. 230 Fifth Avenue, will soon remove to larger quarters, his large and increasing trade rendering this necessary. He handles general and fancy Hardware and makes a specialty of bricklayers' tools, his stock in that line being one not equaled in Pittsburg. He carries tools not found in another store in Pittsburg.

The "hustlers" of the city are McKay & Riley, No. 2628 Carson Street. They carry a full line of fancy and builders' Hardware, stoves, tinware, paints and oils, and are having a good trade. They are clever gentlemen, as well as good business men, and well deserve the success with which they are meeting.

George A. Park, with A. P. Miller, No. 6 Carson Street, reports trade rapidly improving. They carry a general line of Hardware and builders' supplies, and are expecting a good winter trade. Mr. Park is an up-to-date Hardwareman and closely watches all indications of coming prosperity.

Tack and Shoe Nail Machines.

Wm. A. Sweetser, Brockton, Mass., is spoken of as "headquarters for this line of machinery and leads the procession." Established in 1869, he has continued to improve the machines, and now has a large assortment of the latest and best improvements in this class of machinery. He has lately added several important improvements to his Tack Machines, and has put on the market a new Nipper for feeding Shoe Nail Machines, which increases the product twenty-five per cent. It can be applied at small expense to any shoe nail machine. "No maker of these nails can afford to do without them." For further particulars apply as above.

George H. Chatillon, of John Chatillon & Sons, New York, announces that in consequence of the death of his brother, John P. Chatillon, which occurred in Paris, France, several months ago, the firm have dissolved, but that he will continue the business under the old name of John Chatillon & Sons, thus preserving an old and honored business title.

Question and Answer.

EDITOR HARDWARE: I am pleased to furnish you the information asked for by Mr. Lippman in your recent issue. The electric desk light about which he asks is made by McLeod, Ward & Co., No. 91 Liberty Street, New York.

READER.

New York, November 20th.

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Bicycles For 1895.—II.

WHAT THE MAKERS SAY AS TO OUTPUT, IMPROVEMENTS AND PRICES.

A VARIETY OF ANNOUNCEMENTS, OPINIONS AND CHANGES.—INFORMATION OF VALUE TO THE HARDWARE TRADE.

In order that the Hardwaremen of the country may learn as early as possible in regard to the output, prices, etc., of the bicycle manufacturers for 1895, HARDWARE has opened correspondence with the leading concerns of the country, some of whom announce that they are not yet ready to furnish the information desired. We take pleasure, however, in herewith submitting considerable information of value upon a subject which certainly must be of interest to the Hardware trade.

THE CRAWFORD LINE, 1895.

Crawford Mfg. Co., Hagerstown, Md., and New York City: "The Crawford line for 1895 will consist of the following wheels:

"No. 19 and 20—28 inch, Diamond and Drop frame, strictly high grade, list $75.

"No. 17 and 18—28 inch, Diamond and Drop frame, list $60.

"No. 11 and 22—26 Inch, Diamond and Drop frame, list $50.

"No. 13 and 14—24 inch, Diamond and Drop frame, list $40.

"Our 1895 line will be second to none in improvements. Each and every one will be strictly up to date, highest grade, excellent sellers and thoroughly guaranteed. The tires used will be the Columbia Single Tube (Hartford Rubber Works Co.); the Akron, Summit and Competition (the Columbia Rubber Works Co.); the Dunlop (American Dunlop Tire Co), and the Morgan & Wright. We will exhibit at the National Cycle Show, Madison Square Garden, January 19 to 26, '95, spaces Nos. 78 and 79, where we will be pleased to have the trade look us up and inspect our line."

THE POPE CO.'S LATEST ANNOUNCEMENT.

The Pope Mfg. Co., in further announcement to the trade, under date of November 1st, say:

"All single Columbias, both road and track, will be listed at $100, and we are earnestly devoting every resource of our establishment to the preparation of our line, which is to be the finest and the most advanced, and which will be calculated to meet the requirements of every buyer who is able to put $100 into a Bicycle. They will be better than ever before.

"As the next feature in our line we shall take the entire product of the Hartford Cycle Co., which concern, as you are aware, we started and have owned entirely from the outset. For 1895 they are to produce for us a man's and a lady's Hartford, of the same high class of workmanship for which they have already gained so good a reputation, but brought strictly up to date in all respects, and made most suitable companions to 1895 Columbias. While we cannot claim for them the same high value as for Columbias, we confidently assert that they will be equal in durability, lightness and in all the qualities which go to make up a high grade Bicycle to anything else on the market, except one or two of other makes. The price of the Hartfords we fix at $80. Next, the Hartford Cycle Co. will make for us a line to be known as the Wizard Bicycles, also up to date, fully equal to any that they have ever made before, and as good Bicycles as many manufacturers are putting on the market as high grade and at high grade list prices. The Wizard will list at $60 for the man's and lady's, and $50 for the boy's and girl's 26-inch machines."

H. A. LOZIER & CO.'S ANNOUNCEMENT.

H. A. Lozier & Co., Cleveland, Ohio: "We acknowledge yours of the 5th, and beg to submit the following: It is our plan and purpose to continue our policy of superlative grade of manufacture. We shall cater to more extensive business relations with the Hardware trade, believing that the Hardware dealer in the bicycle business has every advantage at his command: first—in the opportunity for attractive display of goods; second—available help without extra cost; and, finally, no reason whatever why the bicycle department of his business should not prove a profitable one. Our wheels for 1895 will be of most modern construction, embodying intrinsic points of superior excellence as well as attractive selling ideas. We shall adhere strictly to the sincere high grade quality that guarantees satisfaction to purchasers and a constantly increasing trade to those that handle The Cleveland. Our prices will be high grade and our discounts as liberal as we can afford. Our 1895 product will be ready for market in January; some styles prior to that date. Our catalogues we shall mail about January 1st, and shall be pleased to receive application for same from every Hardware dealer. Our agencies will be exclusive with the fullest protection possible."

THE EAGLE WHEELS.

Eagle Bicycle Mfg. Co., Torrington, Conn.: "Your esteemed favor received. Replying, would say that our interests will be looked after in the West by the Simmons Hardware Co., of St. Louis, and the Woodrough & Hanchett Co., of Chicago. The companies mentioned, with their facilities for marketing wheels, will be in a position to quote the retail trade the same prices which we will quote the retail trade in the vicinity of our factory. They will place wheels in stock at an early date, which will insure their customers receiving ample wheels promptly. We enclose a pamphlet in which we outline to a certain extent our views for 1895. Referring to the matter of price, would say that it is our object to turn out a machine of the very finest quality, and the riders purchasing them will get value received. It has always been our policy to look carefully to the interests of our retail agents. We realize that through their pleasant and profitable business relations with us, lies our future increase in business. Agents handling our line of wheels will find themselves well able to compete with anything on the market. Considering the fact that most well-known makers of high class machines had no difficulty in disposing of their product last year at standard prices, we see no cause for the reduction this year, other than the fact that some large makers felt the necessity of keeping their plant in full operation, and have made a bid both in quality and price for the portion of trade formerly handled by the makers of medium grade goods. There will always be riders who demand the best, and this is the trade which we aim to secure."

SYRACUSE LINE FOR 1895.

Syracuse Cycle Co., Syracuse, N. Y.: "In reply to your esteemed favor of the 1st inst., we beg to submit to your notice the following, which will comprise our 1895 line: Our Syracuse line will be composed of several models all strictly high grade throughout. Special Syracuse will be an extremely light road wheel, weighing in the neighborhood of 20 pounds. It will be elegantly finished and most artistically striped. Fitted with Syracuse crimson rims. List price, $125. Highest possible grade. Twenty-eight inch wheels. Syracuse Pacer will be on exactly the same lines as the Special, but of a heavier tubing. Strictly high grade, fitted with crimson rims. Enameled in plain rich black. Weight, 23 pounds. List price, $100. Twenty-eight inch wheels. Syracuse Model C, will be our Fat Man's Wheel. It will be like the Pacer, but will weigh about 27 pounds. This wheel is designed to meet the demand of large, heavy people, who are timid about risking their necks on a featherweight. To an experienced rider, weighing 325 pounds or less, we would guarantee absolutely this machine. Enameled in plain black. Syracuse Crimson Rims. List price, $100. Twenty-eight inch wheels. Our Track Racer will be a gem of its kind. Elegantly finished in beautiful vivid crimson, it will brighten any racing track upon which it is seen. Weight, 15 to 19 pounds. List, $125. Twenty-six inch wheels. Syracuse Thelma is the name of our lady's machine. It will have the same pretty direct lines which distinguished last year to the trade, but of a more improved and up-to-date design all the way through. Enameled in plain black. Syracuse crimson rims. Twenty-six inch wheels. Weight, 24 pounds. List, $100. Syracuse Tandem will weigh about 40 pounds, and list at either $175 or $200."

GEORGE N. PIERCE & CO.

George N. Pierce & Co., Buffalo, N. Y.: "We recognize the fact that outside of large cities, where firms give exclusive attention to the Bicycle business, the Hardware trade is the proper party to introduce the wheels. Each season finds such great improvements made in the construction of the wheel that for the repair shop it is not necessary to have as complete a line of tools and as skilled mechanics to do the work as it

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has been absolutely necessary in the past. The construction of our wheels will be very simple, and almost any employee with a few simple tools can do any repair work that will be necessary on the wheels that we propose to send to the trade for '95. We have been since early summer constructing our '95 patterns, and are making an entire change in both our men's and boys', ladies' and misses' wheels, and shall furnish to the trade seven entirely new wheels. We started with the price in our mind before we began the wheels, and were governed accordingly."

THE WESTERN WHEEL WORKS.

Western Wheel Works, New York City: "Your letter of the 1st has been referred to us, and we would state in reply that we cannot give you any positive information regarding what changes we will make in our 1895 line, as we do not put them on the market until January 1st. As we have already announced, our prices for 1895 will be the same as they are this year, as we have demonstrated that a first-class bicycle can be made and sold at a low price. Our 1895 will be made of the very best material we can buy, and we will endeavor to give Crescent buyers as much for their money as we possiblv can. We can assure you, however, that 1895 Crescents will be equal in material, workmanship and finish to any roadster bicycles made listing at any price."

THE GENDRON WHEELS.

Gendron Iron Wheel Co., Toledo, Ohio: "The prospects for the coming season in this line are very encouraging, as we have already several large orders for 1895. Our output will be about thirty-three per cent. more than last year." In their new catalogue the company say: "Previous lists and discount now void; 1895 prices and terms noted on application. Under no circumstances do we put out Bicycles on sale. There must exist both an ability and a willingness to invest in them in order to secure their agency. We guarantee the Bicycles herein catalogued to be free from all imperfections in material and workmanship, and will replace at our factory, without cost to sender, any time during the year 1895, all parts which show imperfection. This guarantee applies to the 'Buckeye' pneumatic tire."

NEW TWENTY INCH PNEUMATIC TIRE BICYCLE.

George N. Pierce & Co., Buffalo and New York City, inform us that they are placing upon the market a twenty-inch Pneumatic Tire Bicycle, Diamond Frame, and are now showing the same at their New York offices, No. 107 Chambers Street and No. 91 Reade Street. They say: "It is the only twenty-inch pneumatic on the market; is very light, only twenty-three pounds with the brake on. The frame is of Mannesman tubing. New York tires are used; spokes are nickeled tangent, rims steel, saddle Solid Comfort Bicycle entirely ball-bearing. The general appearance is stylish, and of a high grade in workmanship and material. Guaranteed for one year."

THE MCEWEN WHEEL.

McEwen Cycle Mfg. Co, Elgin, Ill.: "In addition to the Red Seal Repair Outfits, Chain Lubricant, Cement, Oil, etc., which we have been marketing this season, and with which we have done a very satisfactory business, we have manufactured in a small way a bicycle known as 'The McEwen,' of an up-to-date high frame pattern. We expect, this coming season, to greatly increase our business. Our road wheels will weigh 21 pounds; racers, 18 pounds, and our special light diamond wheel for ladies, 13 pounds."

MISCELLANEOUS.

Royal Cycle Works, Marshall, Mich.: "We are pleased to reply to your inquiry of November 1st, relative to our plans and purposes for '95. It is our purpose to double our output this season, making it between three and four thousand—constituting a road wheel weighing 23 pounds or under, a racing wheel from 18 to 20 pounds, and a ladies' wheel weighing 24 pounds. These wheels will be made in the most approved manner, best material, most artistic design, and really six months in advance of the times. The Royal will be one of the few very high grades."

The Central Cycle Co., Indianapolis, Ind., will list the Ben Hur Bicycle at $65. W. H. Wilhelm & Co., Reading, Pa., will list the Reading Racer, the Road Racer, Roadster and Ladies' Wilhelm at $100, and their tandem at $125. McKee & Harrington, Lyndhurst, N. J., have made the prices on the Lyndhurst at $100, $125 and $135. The Marion Cycle Co, Marion, Ind, announce that their list on the Halladay-Temple Scorchers will be $100 on all wheels weighing over twenty-one pounds, and $125 on those weighing twenty-one pounds or less. The Relay Mfg. Co., Reading, Pa., are not yet ready to announce their prices. O. J. Faxon & Co., Boston, will list a standard Puritan machine for road use at $100. Another wheel, much lighter and with all recent improvements, will be placed at $110, and this latter wheel with a patent improvement of their own will be listed at $125.

The Ames Mfg. Co, Chicopee, Mass., say that the Ames Wheel for this year will listed at $100, giving the regular trade discount.

The Acme Mfg. Co., Reading, Pa., have made the following prices: Stormer, Model A, $65; Stormer, Model B, $75; Stormer, Model C, $85; Stormer, Model D, $75; Stormer, ladies' wheel, $70.

The Stover Bicycle Mfg. Co., Freeport, Ill., state that their standard list price for the year will be $100. They say further that they shall continue to manufacture only the highest grade of wheels, and that this reduction in price is because of the advancement made in bicycle manufacture, "and also from the fact that a number of different parts of the wheel can be bought much cheaper by the manufacturer."

Lufkin Steel Rule Card.

The Lufkin Steel Rule Card, an admirable and salable article which was illustrated and described in the last preceeding issue of HARDWARE, contains one dozen rules, and the price is $2 net per card. A sample card will be sent for that price, with twelve cents extra for postage, by the manufacturers, the Lufkin Rule Co., Saginaw, Mich. It is a neat display card, made to set on the counter and show-case, each containing one dozen one-foot flexible steel folding pocket rules. These Rules are made of spring steel No. 28 gauge, four-inch joints three-fold, put up in handsome metal bound embossed leather cases of assorted colors. They are light, compact, convenient, durable, and just the thing to carry in the vest pocket, and are ready sellers at twenty-five cents each.

The Samuel Winslow Skate Mfg. Co., Worcester, Mass., have issued a handsome colored lithograph, about two by three feet in size, showing two of the beautiful daughters of America making the best possible use of the product of this great house. A framed copy of the same, with the compliments of the company, has been received at this office, and now occupies a prominent place upon our wall. It is an artistic presentation of a good article.

Rubber truckmen report a good business in their line, being kept very busy. The demand is from the mechanical goods men, as well as from the boot and shoe men, and is widely scattered all over the country. For the boot and shoe trade the season has opened with much storm and wet, more so than usual, and this has given an unexpected firm tone to the crude rubber market.

The Yale & Towne Mfg. Co., Stamford and New York, have had their contract continued to furnish the post-office department with boxes for post-offices throughout the country. The decision was reached by a committee which represented the internal revenue post-office and treasury departments.

W. S. Maltby, the world-renowned trick and fancy rider, is making a trip to the Pacific coast in the interest of the Keating Wheel Co., of Holyoke, Mass., returning via the Southern States. Mr. Maltby will give exhibitions on his Keating bicycle, and establish agencies in all the principal cities.

Fred. Topping, of Topping Brothers, New York, who was somewhat seriously indisposed, has fully recovered and is able to resume his duties.

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English Hardwaremen's Association.

This new trade protection society, as its title denotes, The Ironmongery, Hardware, and Metal Trades' Protection Society, confines its operations to the guarding of the interests of the ironmongery, Hardware, and metal trades throughout the United Kingdom. It seeks its members and clients in both wholesale and retail branches of the trade. Although but a few weeks old, it has enlisted a fair membership, and has gained the support and sympathy of some influential and well-known firms. It must be understood that the society is purely a business institution, and by no means desires to pick up the dropped mantle of the Ironmongers' Association now some long time defunct. An important feature of the new enterprise will be the collection of debts due to members of the society at a nominal commission on the amounts recovered. By its general manager or agents the society also attends meetings of creditors on behalf of its members free of charge. It would also, when desired, call, hold, and conduct meetings of creditors, and carry out private arrangements. In the legal branch of the society's work the solicitors, Messrs. Hadman, Ward & Collier, of No. 7 King Street, Cheapside, London. undertake to answer all questions of mercantile law affecting the trades represented without charge to members. Partnerships and sales, and transfers of business are also negotiated and arranged by the society on most favorable terms to subscribers. Special attention is also given to the registration of trade marks and designs. Mr. John Baker, of the firm of Messrs. Baker & Haywood, chartered accountants, is the general manager of the Ironmongery, Hardware and Metal Trades' Protection Society. The offices are situated at Throgmorton House, Copthall Avenue, London, where all inquiries should be addressed. In order to secure a large membership, the subscription has been placed at the low sum of half a guinea per annum. Full particulars of the purposes and functions of the society will be sent on application.—*Hardwareman* (England).

Recent Incorporations.

Chicago, Ill.—Chicago Gas Stove Mfg. Co.; capital stock, $20 000. Incorporators, John S. Bindell, William Laemmer and Cyrus Falconer. Jr.

New York, N. Y.—McCabe Mfg. Co., to manufacture and sell builders' Hardware; capital, $25,000. Directors, James T. McCabe, Edgar Zabriskie, Charles S. Lester and Frank A. Wilmot.

Goshen, Ind.—Goshen Hardware Co.; capital, $10,000.

Portland, Me.—G. F. Quinn Refrigerator Co., incorporated to manufacture and deal in refrigerators; capital stock, $10.000.

Oconomowoc, Wis.—Sterling Hardware Co., incorporated by Harriet S. Gee, Charles L. Gee and Harry F. Gee, with a capital stock of $6000.

Rochester, N. Y.—Punnett Cycle Mfg. Co., incorporated; capital, $5000.

Plymouth, Ind.—Plymouth Cycle Co., incorporated; capital, $100,000.

In the display of goods in a Hardware store there is no general principle which can be laid down. A great deal depends upon the locality, and the condition of the wants and demands of the community. As a rule it is not necessary to expose heavy lines, such as nails, nuts and bolts, while on the other hand novelties and seasonable goods may be placed to the front in a lavish manner. The more showy goods can be placed near the door, as a street attraction, while the window is a subject that allows of more skill and art than can be described in a paragraph.

A Lewiston (Me.) man has two or three dozen different styles of electric bells connected with a battery for the purpose of showing to the people who wish to buy, how each one rings. The press-buttons to ring these are situated on the top of a counter in the rear of his store, while the bells are on the wall above. He was at work on his books at half past twelve the other night when all the bells commenced to ring at once. His hair stood on end a minute, and taking up a big wooden mallet he crept out to the buttons. A grindstone had fallen over upon them.

Review of the Markets.

Money: The feature of the past fortnight has been the announcement of a new loan by the United States Government, for fifty millions of dollars. This is for the purpose of replenishing the gold in the treasury, and at the same time supplying the government with funds. Whether the desired result will be reached is a subject of debate, but the indications are favorable. The rates for money are stiffening, and this is an indication that general business is improving. The volume of trade is certainly increasing, but there is a general, almost universal, complaint about prices, which seem to be on the downward track without any intermission in sight. This is caused chiefly by the reduction of the price in raw material, and to some extent in wages.

In the movement of Hardware, travelers are sending in very fair orders from all parts of the country. The weather being colder than usual at this season of the year, has stimulated the demand for seasonable goods, and the movement in this direction has been in the northern section of the country very considerable. Of course this has in its turn made an uncommonly good demand for snow shovels, sleds and skates, and it is a peculiar side of the depression through which the manufacturer has passed, within the past two years, that the demand for these luxuries has actually increased. In this line the factories are behind, and have had to work overtime to keep pace with the orders that have accumulated and naturally are urgent.

Paints have at last commenced to show activity, and the business outlook is brightening. The distribution of white lead in oil has been unusually good within the past few days, and when it is known that purchases are confined to the immediate wants of consumers, the situation is encouraging. Prices are more steady in lead products, although there has been no decided action upon the part of corroders. In red lead there has been a better demand for domestic for delivery in the West. In litharge there is a better demand from both the rubber and the glass trades. German grades for glass makers' use are quiet. Barytes are in good request, and prices are firm. Putty is in good request. Linseed Oil is in good demand, with some concessions in prices, given by crushers who are in immediate need of cash.

Metals: Tin has been weak, and buyers have had little difficulty in making purchases at receding prices. The London market has been heavy, with large sales, while stocks here are large. Copper is unsettled, stocks being heavy, and orders from both export and home trade buyers being slow. Lead is in moderate demand, the market showing some firmness owing to reserved offerings. Spelter is dull, with stationary values. The trade is in carload lots. Antimony is steady but quiet. Tin-plate is steady. Iron and steel are in moderate demand, with very little fluctuation in prices.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	11
Arizona & Baltimore Cast'g	10¼
Ansonia "A" Casting.....	10¼
Anchor Rolling.....	10½
Baltimore Rolling.....	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl ...17c. ₩ ℔	
Over 3½ to 5 " " ....18c. "	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive..18c. "	
Over 3½ to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ ℔....	8¼
Cookson's.....	10
Lead.	
Foreign.....₩ ℔....nominal.	
Domestic.....	3¼@3¾
Spelter.	
Foreign.....₩ ℔....	4¾
Western, common.....	4@4¼

Zinc.	
Sheet, cask.....₩ ℔.....	4¾@5
Tin.	
Straits, 10 ton lots, spot ₩ ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4¾
Bessemer do.	4.85
Charcoal Tins:	
Melyn grade, 14x20 IC....	5½
Each X $1.50.....	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4¾
Do 20x28.....	9.25
M. F., 14x20.....	4¼
Do 20x28.....	13 00
Dean, 14x20.....	4¼
Do 20x28.....	9 00
D. R. D. grade, 14x20.....	4¼
Do 20x28.....	8½

Nails: Wire Nails are in good demand, with many inquiries from large buyers for stock in the next year's trade. Prices are not firm, a figure of 90 cents having been made for carload lots at the mill, and out of store in New York at $1.15@$1.20. Cut Nails are also lower, the price being 95 cents for

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carload lots on dock in New York, with small lots from store in New York, held at $1.05@$1.10.

Barb Wire is weak, with a quotation of $1.85@$1.90 at Pittsburg. In all heavy goods, prices drop because of the downward tendency of iron.

As an instance of the activity of the skate trade, one manufacturer has placed upon the market this season 227,000 pairs.

Clapp & Co., Bankers & Brokers, New York, state in their weekly circular, as follows: "Enumerating the blessings of a healthy present, helps patriots to forget ills of an unhealthy past. The fruits of virtue, wisdom and economy are as visible in the day of harvest, as are those of vice, folly and extravagance in the hour of their undoing. The altars of civic conscience and national progress will reflect the glow of many patriotic hearts on this Thanksgiving Day. To customers and friends in every State we extend congratulations that the affairs of the business public and the nation's wage earners and producers appear improved or about to improve. We thank all for kind words and deeds, social and businesswise lavishly bestowed, which are inspiring our effort to do more and do it better. We trust you will join us in the cheerful retrospect, and looking back can say that the evidences of trials are fewer than expected, and less than the remembered satisfaction and joys. In looking forward it is a cheerful prospect to feel a certainty that the financial panics of the nineteenth century are behind us, and the unwritten page, which is always full of hope and promise to the men of action, is before us. U. S. Treasurer's report will show Government paper money redeemed and reissued during fiscal year has exceeded redemptions by $60,000,000, and reached, about June 1, 1894, $1,175.054 480, the highest point ever touched. That redemptions of U. S. Treasury notes in gold since June 30, 1892, to October 1, 1894. were $206,584 819, and gold exports same time were $205.245,234. U. S. mines in same time produced about $80,000,000 gold and $175.000,000 silver."

THE DAVENPORT TRADE.

Hand sleds are going swiftly; orders are coming in for sleigh bells with no uncertain sound; the banks require snow shovels; skates are running off smoothly; cold weather is making coal shovels go, and thermometers are down.

Trade in corn poppers is hot; in axes it is sharp and well handled; many orders for wood choppers' wedges are entered; snow and ice scrapers are being pushed; lantern orders are light.

The outlook for tin-plate is light; but in ternes it is dull on account of the lateness of the season; solder is steady, and it is safe to report it about half and half.

Stovepipe is up, and many elbows are placed; business in soap stones and cake griddles is warming up.

Potts irons have declined and holders of large stock are *sad* in consequence. The market is demoralized and cutting continues in butcher supplies, hay knives and wood saws; a few trap orders are being caught; cordage orders are being roped in freely and a number of binder twine contracts are on the string. A clean business is done in washing machines, but the wringer trade is dry.

Extension ladders are high; there is a snap on halters, halter leads and cow ties; orders for sausage fillers do not appear to be stuffed; the break in window glass continues; linseed oil remains high, hence the recent advance in putty seems to stick.

The root of all evil is gathered in satisfactory quantities.

S.CKELS, PRESTON & NUTTING CO.

[Davenport physicians believe that Mr. Nutting, author of the above, will survive.—ED. HARDWARE.]

THE PHILADELPHIA TRADE.

The good feeling continues, and perhaps some evidence of it is found in rather free orders and better quantities, but there is no likelihood of a speedy recovery of business. The patient has been very sick, and convalescence may be long. Still, there is now some ground for hope, and orders are being placed with greater feelings of security. As usual, manufacturers are the first to feel any improvement, and in many lines they are once more working six days a week, and in some cases even making up stock, and this is a sign of promise.

Prices, if anything, are firmer; there is a general feeling that stocks are actually worth more money than two weeks ago, and manufacturers' meetings to discuss, maintain and advance prices are becoming more frequent, and this is another good sign.

What we now want is some good cold weather to move skates, sleds, snow shovels, etc. These are already selling quite freely, but freezing weather would put some needed snap into business. BIDDLE HARDWARE CO.

THE MINNEAPOLIS TRADE.

Since the election, business has improved wonderfully. We hear this on all sides in every line, and not confined particularly to the Hardware line.

Naturally, the stove dealers are busy, but the general improvement has come so late that it will not enable us to do our usual amount of business; however, aside from builders' Hardware and the lines dependent upon building operations, merchandise appears to be moving much the same as in former years. We shall, of course, expect a dull winter, as all classes are and have been curtailing their expenditures as much as possible, but everyone feels encouraged now, and the outlook for spring business is very good indeed.

Lake navigation is practically over, and inventory will be upon us soon, and very few more goods will be taken into stock this fall. Orders are coming in quite freely from the country in all lines and for a large variety of goods, but purchases are still in small quantities.

The farmers are all through with their fall plowing, and we are having a taste of winter weather. Wheat is being marketed; this will make money more plenty, and ought to make an improvement in trade all around.

W. K. MORISON & CO.

THE VARNISH AND COACH COLOR TRADE.

It is gratifying to note a considerable improvement in the Varnish and Coach Color business since our last letter. This extends not only to sales and orders, but to collections as well, which we think shows a particularly promising outlook. The bulk of the business transacted is largely in excess of last year, and perhaps an improvement on any former time.

At a season of the year when not very much is expected in our lines, the improvements noted above are exceedingly interesting. EDWARD SMITH & CO.

Times Building, New York.

THE AUSTRALIAN TRADE.

A general review of trade during the past month does not disclose any new features of importance. There is no improvement worth recording in actual operations, taken on the whole. But the increased yield of gold, more especially in Western Australia, is encouraging, as promising greater business activity in the near future. The pretty wide extent of the recently discovered Yilgarn gold field and the generous output so far, contribute to the belief that when more fully developed, this section will be one of wonderful prosperity, the good effects of which will be felt throughout the Colonies. Already, with but a mere scratching of the surface, the results have been phenomenally rich, and have materially aided the other Colonies in relieving them of surplus population, and in supplying the requirements of the miners.

In Victoria, the probabilities of lower duties have assisted in retarding import movements, which will continue to obtain until the question is finally settled by the new parliament. In the other Colonies, business as a whole is slow, but free from any disquieting conditions prejudicial to future prospects of a steady improvement. McLEAN BROS. & RIGG, LTD.

Walter J. Travis, Mgr.

Nos. 52 and 54 New Street, New York.

"That stove," began the customer with deadly calmness, "you sold to me last week as an 'art stove,' I believe?"

"Yes," admitted the dealer. "Isn't it?"

"It doesn't know anything about art."

"Eh? What?"

"I say it doesn't know the first thing about art. I haven't tried it on painting yet, but it can't draw."—*Indianapolis Journal.*

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Women and Wheels.

A writer in a journal of authority has this to say on the subject of bicycles for women: "There is absolutely nothing inconsistent with true modesty in women pursuing so healthful and pleasant an occupation as bicycling and in wearing the costume best suited to the exercise. The novelty may be startling to the representatives of Mrs. Grundy, who decry immodesty in whatever may be new to them. Bicycling can be made a craze and pushed to a harmful degree, as roller skating was, but that there is anything essentially opposed to modesty or purity in a woman enjoying the rapid motion and healthful exercise of a bicycle is ridiculous. The assertion simply illustrates the density of the conviction that whatever the individual making it is not accustomed to is all wrong. All ladies who have the time, means and disposition to ride the bicycle should do so, with moderation and with a mind conscious of the innocence of the pastime. There are a few amusements in which there is less danger of contamination to purity than in enjoying fresh air, hearty exercise and the sight of green fields by means of the bicycle."

A Call to Manufacturers.

The Manufacturers' Association of Cincinnati and Hamilton County, Ohio, have issued under date of November 14th the following call, which certainly should attract the attention of the Hardware manufacturers of the entire country:

The Manufacturers' Association of Cincinnati and Hamilton County, Ohio, desiring to promote the prosperity of the manufacturing interests of the entire country, and appreciating the importance of concerted action, hereby respectfully invites your organization to be represented at a Conference of Manufacturers which will be held in the city of Cincinnati, on the 22nd day of January, 1895, for the purpose of general interchange of views looking to the formation of a National Association of Manufacturers, which shall embrace among its purposes:

1st. The advocacy of carefully considered legislation to encourage manufacturing industries of all classes throughout the country.

2nd. The discussion of ways and means whereby trade relations between the United States and foreign countries may be developed and extended.

3rd. The establishment in South American capitals and other desired points, of permanent expositions for the display of American products.

4th. Such other topics as may be agreed upon by the convention.

It is desired that this convention shall be non-political, non-partisan and non-sectional.

The invitation hereby extended is without limit as to number of attendants, and is cordially extended not only to accredited delegates from organized exchanges, representing manufacturing interests, but to any individual manufacturer who may have the promotion of the general good by organized effort sufficiently at heart to be willing to meet with us.

The favor of reply, not later than December 1st, proximo, accompanied by suggestions, is respectfully requested.

W. T. Perkins,
F. Pentlarge,
Chas. F. Thompson,
H. C. Yeiser,
B. W Campbell.

Committee from the Manufacturers' Association of Cincinnati and Hamilton County, Ohio.

Cincinnati, Ohio, November 14, 1894.

In a Belgian gun shop, the tempering of tubes is effected in a room in which are two large gas fired tempering ovens. Those portions which do not require tempering are protected by a coating of prepared clay, while those requiring a special hardness are coated with prussiate of potash. The pieces are packed in boxes, in which they are embedded in carbonized leather waste, then the boxes are hermetically sealed, and placed in the oven. After the proper heat has been had, the pieces are taken out and steeped in oil.

IT IS KNOWN THAT THE

POPULAR AND PROFITABLE BICYCLE AGENCY TO SECURE

—IS—

The Falcon.

8 Distinct Patterns.

Leaders in

Special Mechanical Features.

Write for our Photographic Description of the

"Gold Crank Falcons."

YOST MFG. CO.,

YOST STATION, TOLEDO, OHIO.



The Best to Buy,
The Best to Sell,
And the Best to Use,

—IS—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.

WRITE FOR CIRCULARS AND PRICES.

STAR MANUFACTURING CO., CANTON, OHIO.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents. Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

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WHAT'S IN A NAME!



Everything, when experience and reputation are behind it. So is it with a guarantee. Its value depends upon the reputation and standing of the guarantor. We guarantee our Rubber Belting in unqualified terms, and our guarantee is backed by experience and reputation. We hold this guarantee before the world, because our belting is made of first-class materials, our machinery is specially designed for the purpose, and our rigid system of inspection prevents goods that are defective, even in the slightest degree, from leaving our factory. "Warranted not to peel, open at seam nor separate between plies, and to be durable and serviceable." What's in a name? This:—

A BELT BY ANY OTHER NAME WON'T WEAR AS WELL.

Cleveland Rubber Works
of the Mechanical Rubber Co.

CLEVELAND, OHIO.

Legal Rights of Bicycle Riders.

The Supreme Court of Minnesota has decided that a bicycle has the same rights in the public streets that has a vehicle drawn by horses, and we suppose the decision includes men on horseback also. The question still remains, however, if it is not necessary that there shall be a similar warning of a bicycle's approach that there is of the contiguity of the older street occupants. The vicinity of the latter vehicles is announced by the noise they make. Some such notification is deemed necessary under our laws. This is illustrated by the traveling in winter by means of sleighs, when the snow is on the ground. There is a law operating then that compels the use of bells. But a sleigh without bells does not approach as noiselessly as a bicycle over our ordinary roads. It is worthy of consideration whether, in the greatly increased use of bicycles, it is not necessary for the public safety that bells should be attached to them to signal their presence to the public.—*Boston Herald.*

The Supreme Court of Minnesota has also recognized the bicycle as entitled to equal rights in the public highway with the horse and wagon. The case before it arose on a suit of damages brought against a bicyclist by a man whose horse had been frightened by the wheel, and who had been injured in the runaway. The court dismissed his suit and proceeds to say that the bicycle cannot be banished from the public highway simply because it is not an ancient vehicle and was not used in the Garden of Eden. This is in line with the decisions of other courts on the general subject.—*Springfield Republican.*

The Fall in Prices.

The AMERICAN GROCER, in its twenty-fifth year Anniversary Number, publishes the prices of leading articles of food compiled from its market reports for twenty-five years. The prices given are wholesale prices, and the changes are quite remarkable as illustrated by the following table:

	1869.	1894.
Flour, per bbl.	$6.62	$3.30
Sugar, " lb.	.13⅞	.04⅛
Coffee, " "	.15⅞	.18⅞
Tea, " "	.59	.20¾
Rice, " "	.06¼	.04⅛
Mess Beef, bbl.	11.41	8.19
Mess Pork, "	31.04	13.80
Lard, per lb.	.18½	.07⅝
Butter, " "	.25½	.25½
Cheese, " "	.14	.10⅛
Canned Tomatoes No. 3, doz.	2.10	.95
Canned Corn No. 2, "	2.75	.80
Canned Peaches No. 3, "	3.50	1.30
Canned Salmon No. 1, "	3.75	1.55

The only item which is higher now than in 1869 is coffee, and this article has, during the twenty-five years, fluctuated between 9.01 and 19 72 cents per pound. The coffee market is just emerging from a period of high prices and is now tending downward. Dairy products have also fluctuated largely and are now above a parity with other articles of food, but the tables of the AMERICAN GROCER which are given for each of the last twenty-five years illustrate quite as marked a tendency toward lower prices for nearly all varieties of food as is seen in other lines of production.

B. & W. SKATE SHARPENER.

——BEST SELLING IN THE MARKET.——



Handy to carry, does the best work, is made of malleable iron, full nickeled; the handsomest article of the kind on the market.

By its use the dullest pair of skates can be sharpened in five minutes, by any child old enough to skate.

In use, the side of the Sharpener forms a right angle with the file, making it practically impossible to file anything but a true plane on the skate, or to round the edges. As the file wears, it can be moved its full length on four sides, thus giving a great amount of filing surface. Put up one dozen in a box. Write for price.

GEO. M. MATTESON,
——SELLING AGENT,——
111 Duane Street, - - NEW YORK.

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents.

The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels.
——Star Oilers, 15 cents.——
CUSHMAN & DENISON, 172 9th Ave., N. Y.

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK We solicit correspondence.
HAIGHT & CLARK, - - ALBANY, N. Y.

TUDOR IRON WORKS,
ST. LOUIS.
Manufacturers of
HARROW TEETH, MINING RAILS, SPIKES.
TRACK FASTENINGS.

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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Atlanta, Ga.—Fitten-Thompson Hardware Co.
Bedford City, Va.—Bedford Hardware Co.
Birmingham, Ala.—Mayberry & Watson Co.
Birmingham, Ala.—P. Walsh.
Cochran, Ga —W. O. Peacock.
Haneyville, Ala.—John P. Streety & Co.
McGregor, Man.—H. Byres.
Millersburg, Pa.—A. Wolf.
Olneyville, R. I.—Wm. Sawyer.
Stockton, Ill.—David Stiver.
Tampa, Fla.—L. B. Lee.
Utah, Ala.—Thomas Carrington.
Washington, Ind.—Hatfield & Read.
York, Pa.—William Feltz & Son.

Record of Changes.

Andover, Kan.—D. C. Kennedy, Hardware, sold out.

Batesville, Ark.—P. C. White & Co., Hardware, bicycles, etc., succeeded by P. C. White.

Brooklyn, N. Y.—Mrs. H. M. Bodine, Hardware, etc., No. 2192 Fulton Street, going out of business.

Chattanooga, Tenn.—G. S. Close, formerly of Close & Teag, has bought the stock of Hardware of Jonn Wyatt, on Montgomery Auenue.

Columbus City, Ind.—J. F. McNear, Hardware, reported gone out of business.

Columbus, Ohio.—Frazier & Dozier, Hardware, bicycles, etc., dissolved partnership, L. C. Frazier continuing the business.

Creston, Iowa.—Ruffcorn, McCortney & Co., of Weldon, have purchased the Hardware stock of T. A. Kingsbury.

Eden Valley, Minn.—M. F. Magnuson, Hardware, bicycles, etc., succeeded by R. L. Warner.

Edgerton, Minn.—Daniel J. Deuhart, Hardware, bicycles, etc., succeeded by F. A. and A. J. Meachim.

Ellicottville, N. Y.—Fred C. Bowen has purchased of John Groat his Hardware store at West Valley and will open the same immediately.

Elmira, N. Y.—The Hardware stock, fixtures and good will of John E. Stowell & Co., No. 307 East Water Street, have been disposed of to John M. Diven. The store will be managed by W. C. Loomis, late of the firm of G. A. Gridley & Son.

Fairfax, Mo.—Davis & Morris, Hardware and bicycles, reported sold out.

Florence, Col.—Wm. Rogerson has sold his stock of Hardware to R. K. Warhurst, of Pueblo.

Good Thunder, Minn.—H. J. Neibuhr, Hardware, moved to Alden.

Green Valley, Ill.—George and Byron Darling have purchased the Hardware business of C. M. Kingman, of Delavan.

Jefferson, N. Y.—Marcus Angle has bought Frank Rose's Hardware business, and will take possession as soon as an inventory of the stock can be completed.

Kaslo, B. C.—Byers Hardware Co., Hardware, dissolved.

Lonaconing, Md.—Will H. Malcolm, of the Hardware and saddlery firm of M. F. Jarboe & Co., has disposed of his interest in the firm of J. T. McFarlane, who will hereafter be associated with Phil Jarboe in the business.

Lovington, Ill.—O. A. Harrison, Hardware and implements, sold out.

Muskegon Heights, Mich.—J. H. Colby is selling out his Hardware stock.

New Carlisle, Ohio.—L. B. Sherwood, of Plain City, Ohio, has purchased the tin and stove store of Eshelman & Makley and has put in a large new stock.

New London, Minn.—Nels Mikkleson, Hardware, bicycles, etc., succeeded by Wenberg & Hagen.

New Madrid, Mo.—Thomas B. Crow, Hardware and bicycles, reported to be going out of business.

Paterson, N J.—The firm of George A. Myers & Co., Hardware merchants, have dissolved, Mr. Myers retiring. The business will be continued by George Christie, junior member of the firm.

Perth Amboy, N. J.—F. A. Marvin, Hardware, etc., will retire from business on account of health.

Philadelphia, Fa.—The Hardware firm of Phillips & Etherington have dissolved, and hereafter will be conducted by H. A. Phillips and George J. Maisch, under the name of Phillips & Maisch.

Port Washington, Wis.—Bernard Notting, Hardware, bicycles, etc , sold out.

Sedalia, Mo.—J. M. Offield has disposed of his business to W. W. Herold and R. W. Griffith.

Selma, Ala.—Johnson, Park & Co., Hardware, bicycles, etc., partnership dissolved.

Silver City, Idaho.—Theo. Phillip, Hardware, succeeded by N. C. Larsen.

St. Mary's, Ohio.—Dunan & Kayser, Hardware, bicycles, etc., partnership dissolved, Lewis Kayser and O. E. Dunan retiring from firm. The style of the new firm will be Dunan & Koeper, individual members being W. R. Dunan, of the old firm, and Henry Koeper.

Tampa, Fla.—Beckwith & Henderson have sold to L. B. Lee & Co., the new Hardware firm, the old Tampa Commercial Co.'s property at the foot of Washington Street for $5000. They will use it for warehouse purposes.

Topeka, Kan.—W. H. Wood, Hardware, bicycles, etc., reported sold out to M. R. Brill, of Wamego.

Wabash Ind.—Miller Bros., tinners and Hardware dealers, have dissolved partnership, L. H. Miller retiring,

Whitman, Mo.—R. A. Wayatt, Hardware, succeeded by Wayatt & Beattie, and will take up bicycles. Correspondence invited as to taking agency for bicycles and sundries.

Wirt, Iowa.—Wilson & Nelson, Hardware and lumber, reported sold out.

Record of Improvements.

Bethel, Vt.—The interior of George H. Tupper & Co.'s Hardware store is undergoing thorough repairs.

Dadeville, Ala.—R. A. Posey, Hardware, has moved into new brick building recently completed.

Eureka, Ill.—W. H. Peard will move his Hardware store into the new building he recently purchased of G. W. Darst, the first of January.

Fargo, N. D.—Isaac Herbst has moved his Hardware department into the Tyler building.

Fort Madison, Iowa.—Jos. Ehart & Son are making several improvements at their Hardware store.

Zanesville, Ohio.—W. A. Fillmore, Hardware, has removed to the Curran building, Sixth and Main Streets.

Business Embarrassments.

Ardmore, I. T.—C. A. Duffy & Co., general Hardware dealers of Purcell, I. T., have filed a deed of assignment with preferred creditors named. Assets unknown.

Athena, Ore.—C. A. Barrett Co., Hardware, bicycles, etc., C. A. Barrett appointed receiver. Assets estimated to be $35,000, liabilities placed at $13,000.

Cleveland, Ohio.—C. E. Harrison, Hardware dealer, has made an assignment.

Grand Rapids, Mich.—The Hardware firm of L. F. Severy & Son have assigned.

Hubbard City, Tex —O. T. & J. H. Morgan, Hardware merchants, have filed a deed of trust. Liabilities, $110,000.

Lincoln, Ill.—David Hammel's Hardware store has been closed by the sheriff under attachments amounting to $3500. The assets will amount to $5000.

Nashville, Tenn.—J. T. Williams, Hardware dealer, has assigned for the benefit of his creditors.

Roanoke, Va.—A. J. Evans, a dealer in Hardware, has made an assignment to E. L. Bell, of Lynchburg, trustee.

Sioux City, Iowa.—Gillette Brothers, Hardware dealers, have failed for $15,000 to $20,000.

Sulphur Springs, Tex.—J. H. Johnson & Bro., dealers in Hardware, have filed a deed of trust with P. H. Foscue as trustee.

Warrensburg, Mo.—A. Magon, a Hardware merchant, who has been in business in this city twenty-four years, has made an assignment for the benefit of his creditors. Assets and liabilities unknown.

Waterville, Minn.—Keegan & Kane, Hardware and agricultural implements, have made an assignment to Charles Dolan.

Wilmington, Ohio.—Campbell, Hamill & Co., wholesale and retail Hardware dealers, have assigned. Assets, $40,000; liabilities, $30,000.

Burglaries in Hardware Stores.

Aberdeen, S. D.—A. P. Witte, $100.
Beaver, Pa.—J. B. Wilson, cutlery.
Blissfield, Mich.—Rothfuss & Howard, cutlery.
Goldfield, Iowa.—Nicoll & Son, $100.
East Sunbury, Pa.—Swank & Hoffman, revolvers.
Ft. Edward, N. Y.—C. W. Bowtell, $100.
Kokomo, Ind.—Hutching's Hardware store, $200.
Kutztown, Pa.—Eugene De Turk, $200.
Leonard, Tex.—C. G. Vawler, $45.
Mt. Vernon, Wash.—Davis Hardware Co., cutlery.
Paterson, N. J.—L. Fleron, cutlery.
Sidney, Ohio.—W. H. Wagner, $500.
Waynesboro, Md.—Samuel C. Plank, $300.
Wolf City, Tex.—T. W. Hacker, revolvers.

Fires in Hardware Stores.

Gananogue, Ont.—Bennett Bros., Hardware; destroyed by fire.

Hartford, Conn.—L. L. Ensworth, carriage Hardware; store burned; $10,000 loss.

Nashville, Tenn.—Dudley Bros. & Black, Hardware and cutlery; stock damaged by fire. Fully covered by insurance.

Ogdensburg, N. Y.—George Barr, Hardware, reported burned out; loss estimated to be $20,000.

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90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED** line 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

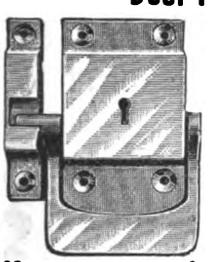
Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses: 70 & 72 Reade St., New York. 608 North 4th St., St. Louis.

Factory and Home Office, **Hagerstown, Md.**

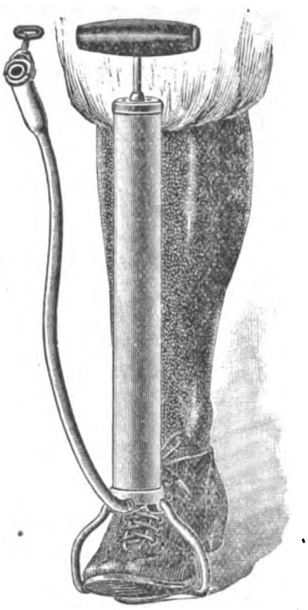
The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY,
PHILADELPHIA, PA.

Manufacturer of Refrigerator and Ice House Fasteners, Hinges and Faucets.



Heath's Ball Valve Pump and Patented Universal Coupling.

Attached to any Pneumatic Tire easily and quickly. Always ready. The most prolific producer of high grade wind and the best instrument for placing said wind where it will do the most good. It is guaranteed not to blister your hands nor propogate big swear words during the operation.

ONE USER SAYS:

"Heath's Pump saves time, temper, backache, sore fingers, sore arms, patience, perspiration, soft tires, clothing. Adds pleasure and convenience."

RETAIL PRICE $2.00.

——LIBERAL DISCOUNT TO THE TRADE.——

ELECTROS FREE FOR CATALOGUE PURPOSES.

——Sole Manufacturers,——

S. F. HEATH CYCLE CO.,
Minneapolis, Minn.

The Riding Horse Tricycle

Greatest novelty of the age.



THE MOST COMPLETE RIDING NOVELTY IN THE WORLD.

-:-A BIG SELLER DURING THE HOLIDAY SEASON.-:-

The harvest time is now. Write at once.

QUADRUPED NOVELTY CO.,

Exclusive Agency Given. CANTON, OHIO.



BUY DIRECT

from us, if you want a bicycle 'Built for Business" and sold at a legitimate profit. We want the best trade or none. We want dealers that will buy

FROM THE MAKER

in large or small quantities, with your name or ours. We are not ashamed of our productions. Any responsible dealer who orders a sample **New Clipper,** and does not consider it worth the price we ask may return it

AT OUR EXPENSE.

New Clippers

Are Built to create Business.
Are Built to Please Business men
Who Buy for Business,
Ride for Business,
Sell for Business, and
Who are in Business for Business.

Grand Rapids Cycle Co.,

I Street,
Grand Rapids, Mich.

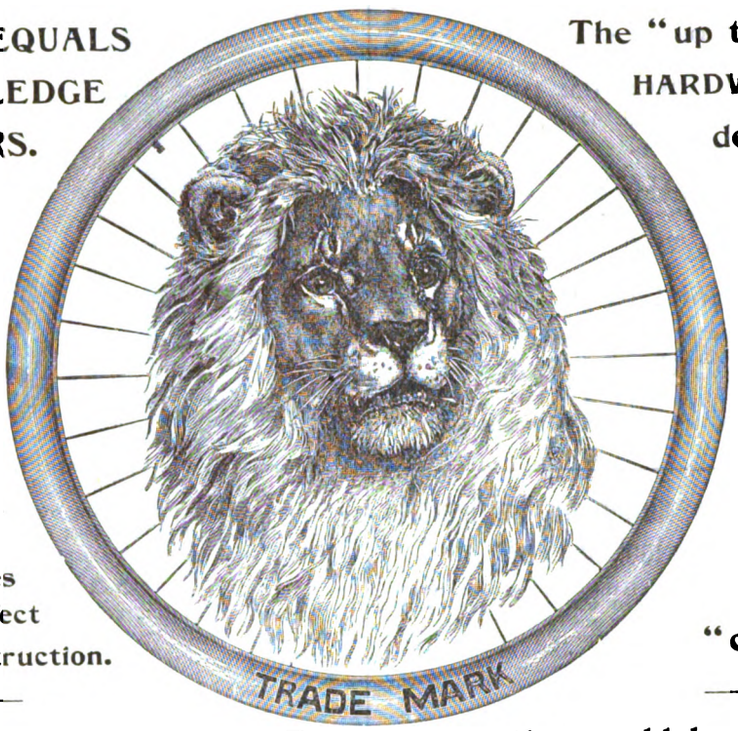
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THE MONARCH BICYCLES

HAVE FEW EQUALS and ACKNOWLEDGE NO SUPERIORS.

Look up our Special features for 1895.

They are the Grandest devices possible to a perfect construction.



The "up to date" HARDWARE DEALER desiring an Agency for 1895 should talk quick before his enterprising neighbor "cuts him out."

1895 will prove the biggest Bicycle year the world has ever seen.

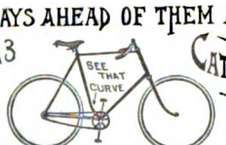
FACTORY: Lake & Halsted Streets, Chicago.

MONARCH CYCLE CO., Eastern Branch: C. F. GUYON COMPANY, Ltd., Managers, 97 & 99 Reade St., N. Y.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

NEW ENGLAND SPECIALTY CO., NORTH EASTON, MASS.

Manufacturers of Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

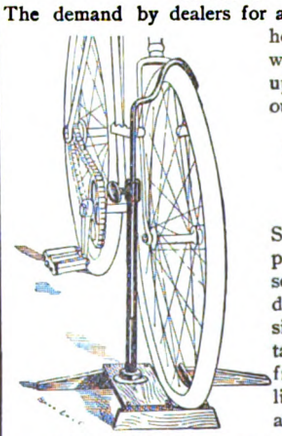
And the manufacture of all kinds of

SHEET METAL NOVELTIES.

The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

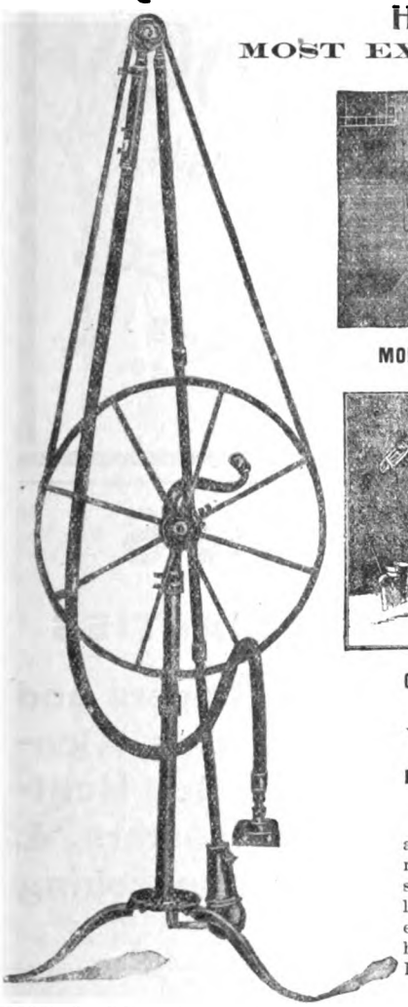
WM. M. JUSTICE & CO., PITTSBURG, PA.

Liberal Discount to the Trade.

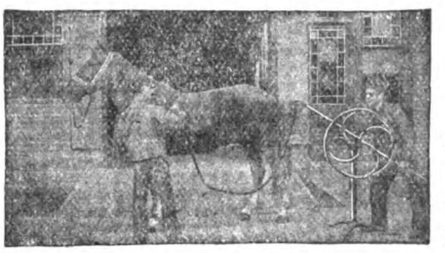
HEADQUARTERS FOR "PRIZE WINNER" HORSE CLIPPERS.

Hand Bicycle, Electric and Steam Power.

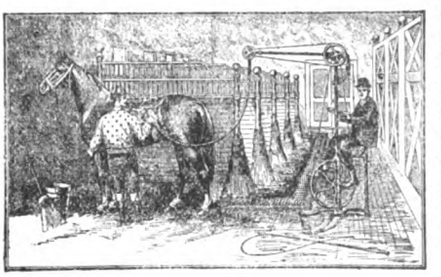
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



MODEL D.—"Champion," Prize Winner. Steel Wheels, Nickel plate. Price $50.00.



MODEL B.- Hand Power. Price $50.00.



CYCLONE CLIPPER (BICYCLE). Price $75.00.

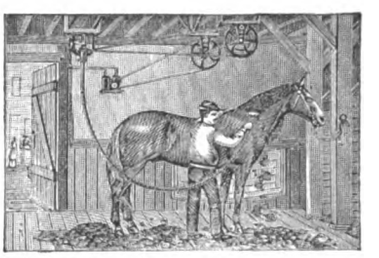
THE CHAMPION. First Prize. Highest Grade.

Handsomely nickel plated and japanned; steel hubs, rims, spokes, bushing and spindles. Very strong and light. With the latest patent "Leader" knives and handle. Bronze bearings. Highly finished. Price $50.

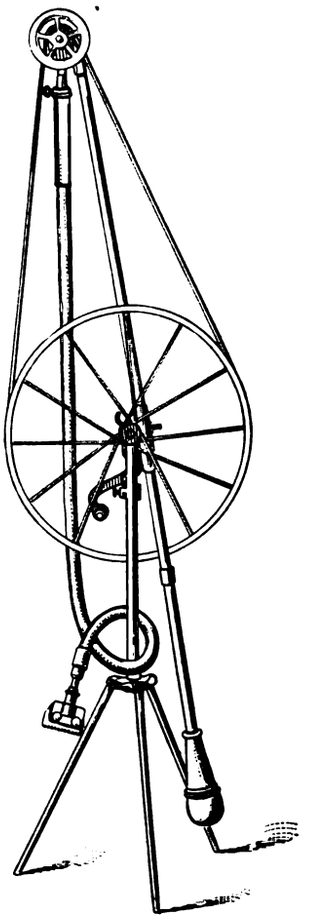
FEATHERWEIGHT CLIPPER.

The Lightest Machine Made.

Weight, 25 lbs.. traveling case 8 lbs; mostly steel, bronze and malleable iron. Traveling case, canvas covered, nickel plated lock, 3 hinges, 6 slats, leather handle, also 1 gal. of oil, one oil can, one can of grease and wrench with each machine. Flexible shaft, two knives, the latest "The Leader" and handle. The only portable machine made. Price $35. Send $10, balance C.O.D. Guaranteed perfect.



POWER YOKE CLIPPER. Price $75.00.



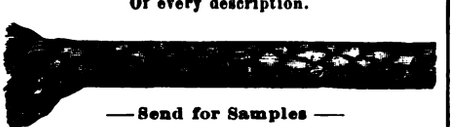
MODEL E. FEATHERWEIGHT. Price $35.00

Gillette Clipping Machine Co.,

201 EAST 23d STREET, NEW YORK CITY.

Braided Cord

Of every description.



—Send for Samples—

TATE MFG. CO., MALDEN, MASS.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere. They are Safest and Best.

WAREHOUSES:

New York, 96 & 98 Reade St. Philadelphia, 514 Commerce St. Chicago, 73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

No Rivets!
Oval Bottom!
Half Oval Back!
Perfect Shape!
Best Quality Steel!
Extra Heavy Bottom!
Heaviest Hod Made!
Six thickness at joint of Body, Bottom and Foot!



Write to us for prices on your Season's supply of "Coal Hods." There are 700,000 "Victors" now in use, all sold in the last four years. Give us your approximate requirements when writing for information or prices.

The Cincinnati Screw & Tap Co., - Cincinnati, O.

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A GOOD THING.
RUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

5,000

Dealers in the United States & Canada sell Houchin's Specialties.

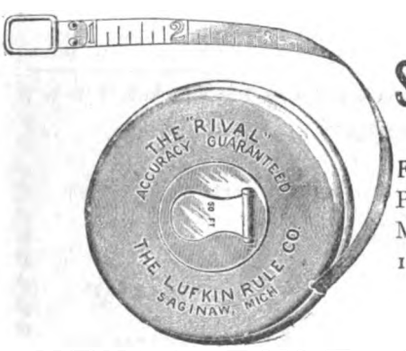
If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & a great variety of Housekeeping Articles.



"RIVAL"
Steel Measuring Tapes.

Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅛ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

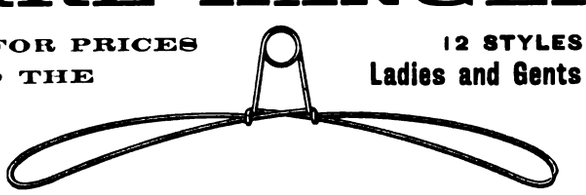
SEND FOR PRICES.

LUFKIN RULE CO., Saginaw, Mich.
NEW YORK OFFICE, 2½ MURRAY ST.

If an advertisement in a journal like this don't pay, the only reason there can be for it is what you say or fail to say in your ad.—that's all. If not satisfied, write Walter L. Gallup, Writer and Director of Advertising, 112-114 Dearborn Street, Boyce Building, Chicago.

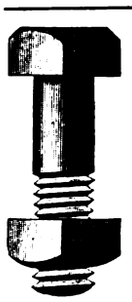
"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR
Ladies and Gents Garments

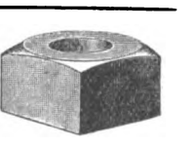
BARBER-KOENIG MFG. CO, No. 115 North Vine St. Hazleton, Pa

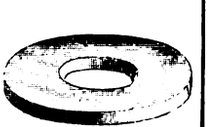


WROUCHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.





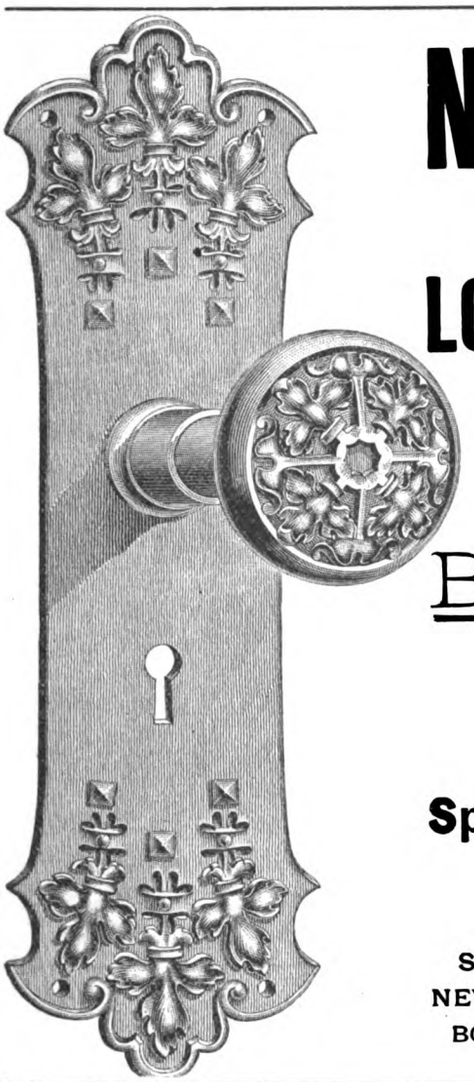
The Milton Mfg. Co.,
Milton, Pa.

SHOE NAIL
TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,
41 Montello St., Brockton, Mass.

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NORWALK LOCK CO.,

Manufacturers of

LOCKS AND BUILDERS HARDWARE.

Art Metal Work

for all requirements of

BUILDING DECORATION.

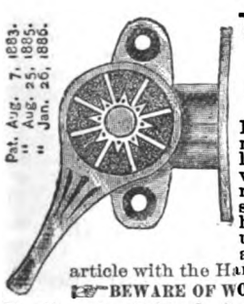
Designs and Estimates Furnished

—AND—

Special Work Solicited from Architects.

SOUTH NORWALK, CONN.
NEW YORK, 82 Chambers Street.
BOSTON, 200 Franklin Street.

BALTIMORE, 25 Hanover Street.
HENRY KEIDEL & CO.
CHICAGO, 544 Unity Building.
FOSTER & DAVISON.



THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a half ventilator and prevent rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.

Eight Tumblers. • Key Turning Both Ways.



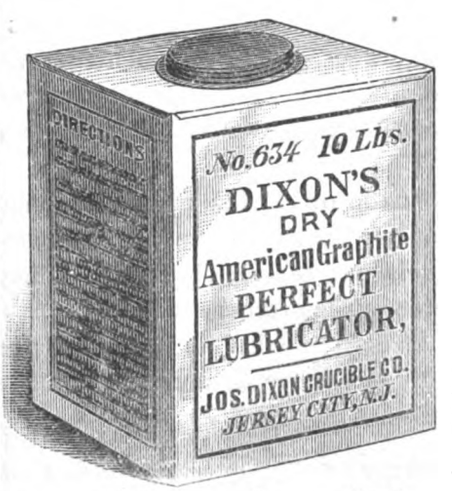
Sizes, ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

AMES SWORD CO., Chicopee, Mass.

Send for Catalogue.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!



Profitable to the Dealer, Indispensable to the Machinist and Engineer.

It is an absolutely pure, foliated, water-dressed and air-floated American graphite, from our own mines at Ticonderoga, N. Y. It has unrivaled smoothness and endurance. It is entirely inert, and not affected by heat, cold, steam, acid, or any known chemical. It largely increases the lubricating value of oils and greases. It may be mixed in water, oil or grease, or used dry.

Jos. Dixon Crucible Co., Jersey City, N. J.

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E. W. BLISS CO.,

18 ADAMS STREET, BROOKLYN, N. Y.

100-104 W. Washington Street, CHICAGO, ILL.

DUPLEX FOLDING AND SEAMING MACHINE.

THIS machine is designed to facilitate the manufacture of lock-seamed tinware. It obviates the necessity of using a bar-folder for forming the hooks on the body blank before rolling same on the forming machine. Its operation is exceedingly simple and reliable. The blank is first formed in the rolls, then placed in the machine, which forms the two hooks at one stroke and closes them at a second operation. The advantages obtained are:

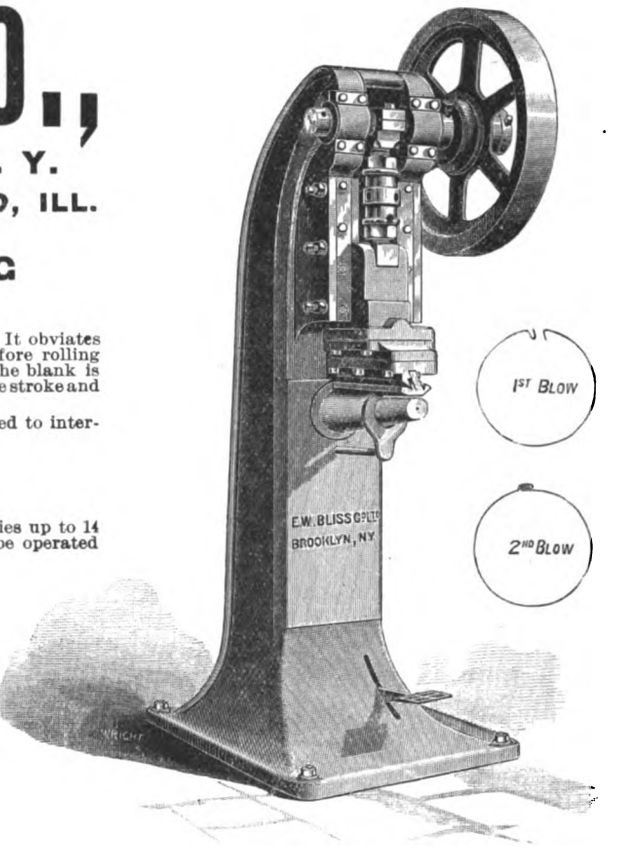
First—That the blank is rolled in the flat, not having any hooks previously formed to interfere with the operation.

Second—That both edges are hooked at one blow.

Third—That the hook forming and closing are done in one handling.

Fourth That the seam is more uniform than if started in the bar-folder.

The horn can be arranged to throw the seam inside or outside. All sizes of bodies up to 14 inches long can be done on the one horn. These horns and forces are not adapted to be operated in presses having more than ½ inch throw.



PRESSES, PUNCHES, SHEARS, DROP HAMMERS, DIES, SPECIAL MACHINERY, &c.

THE STILES & PARKER PRESS CO.

Geuder & Paeschke Mfg. Co.,

MANUFACTURERS OF

Tinware and Sheet Metal Goods.

St. Paul Ave. and 15th St.,

MILWAUKEE, WIS., Oct. 25, 1894.

Gentlemen:

We frequently receive letters from good merchants asking for quotations on "Cream City Flour Bins and Sifters," and adding that they feel disposed to place an order with us, p ovided our price is as low or lower than they have been accustomed to paying for other makes.

While we appreciate the courtesy, which prompted the inquiry very much, and have no fault to find with the desire to purchase goods at the closest possible figure, we regret very much that we cannot meet the views of our friends, for the simple reason that we have never learned the art of giving a twenty dollar gold piece for $19.00 in currency.

Our Cream City Flour Bin is made of IX Tin, nicely japanned and ornamented, and has many points of excellence over others, which cannot fail to commend themselves to careful observers. They cost a trifle more, but will outlast three of the ordinary kind.

We furnish 500 elegant booklets free with an order for one dozen or over, and the advertisement you receive as a result, is alone worth more than the price of the bins.

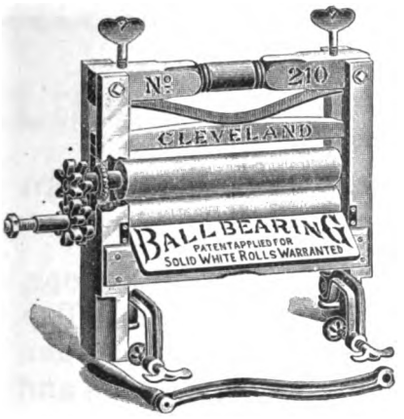
Respectfully yours,

The Geuder & Paeschke Mfg. Co.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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No More Broken Backs!

THE BALL BEARING

"CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

Write for our Illustrated Catalogue.

THE PEERLESS MFG. CO., Cleveland, Ohio.

Also manufacturers of "TRIANGLE" BICYCLES.

W. H. DIVINE.

Manufacturer of

High Grade

Cotton Buffing Wheels.

Office and Works: Chadwicks, N. Y.

New York Office:

1775 Broadway. B. H. Divine, Mgr.

A postal card secures our Catalogue.

WIRE GOODS.

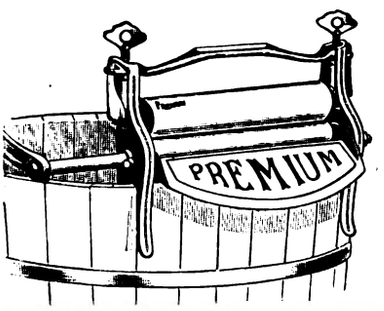
WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.

Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



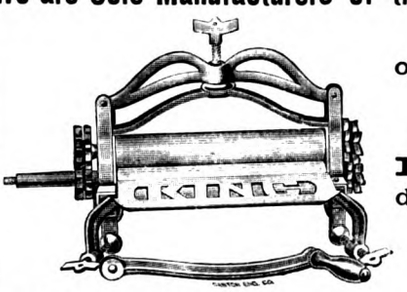
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.

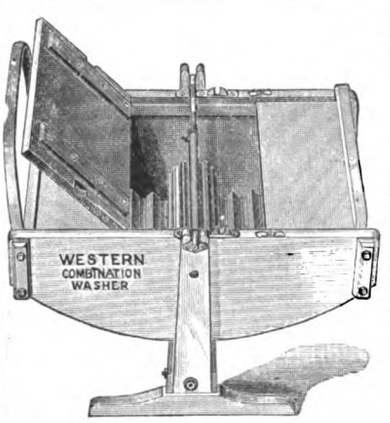


We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.



WESTERN COMBINATION WASHER

Commands the most ready sale and liberal profit. Nothing like it in the market Send for samples on approval. Satisfaction guaranteed. Catalogue and prices mailed on application to the sole makers,

The Horton Mfg. Co.,

Fort Wayne, Ind., U.S.A.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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Surpless, Dunn & Alder,

INCORPORATED.

Representing Leading American Hardware Manufacturers,

Now located at **No. 15 Murray Street, New York.** Large Sample Room

In Stock:

Full line Ash and Hickory Handles, Hussey Binns Co.'s Shovels, Spades and Scoops, Tackle Blocks, Forges and Blowers, Augers and Auger Bits, Hollow Augers, Tap Borers, Braces, Boring Machines, Engineers and Agricultural Wrenches, Hayden Pipe Wrenches, Slaters Tools, Rod Cutters, Nail Pullers, Planes, Rules, Plumbs and Levels, Hand Screws, Marking Gauges, Chisel, File, Plane and Saw Handles, Button Pliers, Keystone Iron, Brass and Bronze Padlocks, Lawn Mowers. Lawn Rakes, Stone Forks.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Pipe



Manee' Bene
arr ng Meta
detallic Pat
dilk Can Handl
dilk Cr Trio
ming
Roofing
and 1 nch
Pail Woods
Perforated Tin
Planished Shee
Iron
R. G. Cleane
Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cres
Lock Seamers
Rosin
Russia Sheet Iro
Solder
Soldering Copper
Spangler's Doubl
Lock Edger
Spelter
Spelter Solder
Squaring Shear
Stereotype Met
Stove Bolts
Stove Pipe
Stove Pipe Co
lars
Stove Pipe Crimp
er and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machin
Tinners' Tools
Universal Chi
ney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barb
l
Zinc Sheet
Zinc for Etching purposes
Zinc Gauze Beads



QUARRY SUPPLIES.

DERRICK IRONS,
WIRE ROPE,
TACKLE BLOCKS,
TURN BUCKLES,
SWEDE IRON CHAIN,
POWER HOISTS,
CRABS,
CROW BARS (10 to 500 lbs.),
SAW BLADES,
CAST STEEL,
T RAIL,
SPIKES,
IRON ROOFING AND SIDING
SHOP TOOLS

THE TODD-DONIGAN IRON CO.,

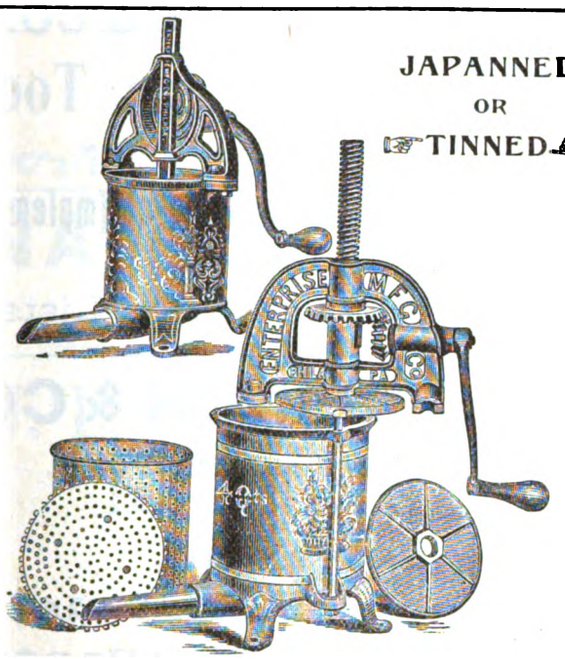
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FOR SALE BY THE

LEADING HARDWARE JOBBERS OF THE WORLD.

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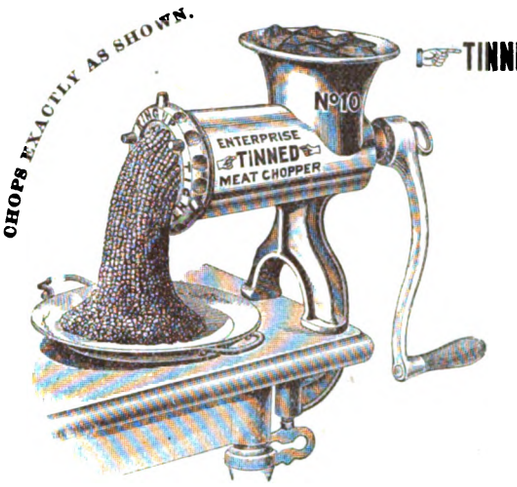


JAPANNED OR TINNED

Sausage Stuffer & Lard Press.

8 Styles, 3 Sizes, 2, 4 & 8 Qts.

We make the "ENTERPRISE" MEAT CHOPPERS for Hand and Power in 16 Sizes Ranging in Price from $2.00 to $275.00.



Family Size, No. 10, - $3.00.

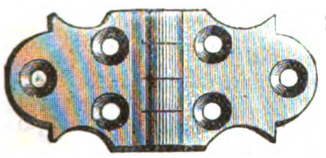
THE ENTERPRISE M'F'G CO. of PA.,

THIRD & DAUPHIN STREETS,

PHILADELPHIA, PA.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

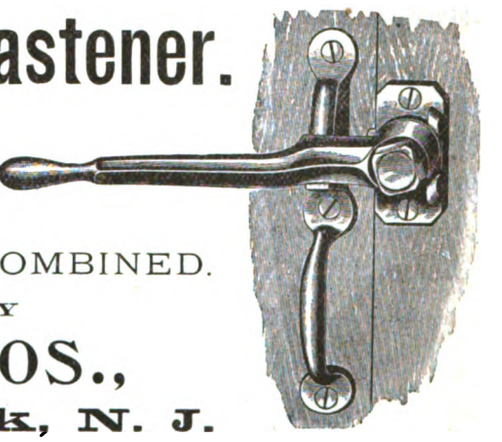
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Simple,

Durable,

Practical.

HANDLE and WEDGE COMBINED.



MANUFACTURED BY

BRABSON BROS.,

Newark, N. J.



Cuspidore Manufacturing Co.,

SOLE OWNERS OF

"Walton's" Patent Adjustable Bowl Cuspidores.

The Only Business House in the United States Devoted Exclusively to the Manufacture of Cuspidores.

Made in Cast Brass, Cast Gray and Malleable Iron, Japanned in all Colors and Fancy Striped Spun Brass and Nickel Plated, or in Silver to order.

The Best and Easiest Cleaned ever made on the market, for Hotels, Bars, Public Buildings, Banks, Offices and Private use.

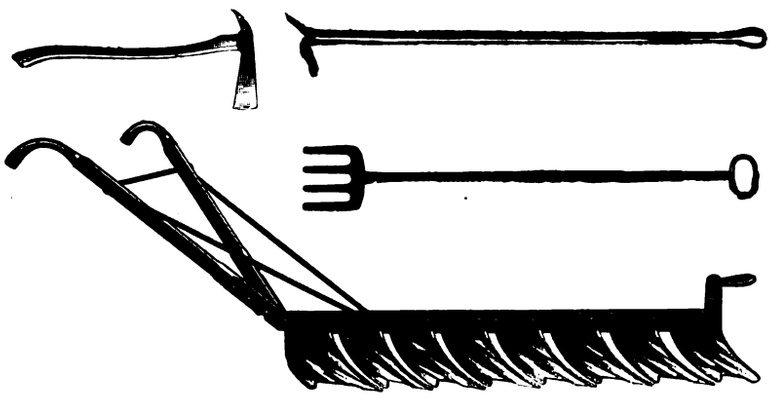
A TRIAL WILL CONVINCE YOU.

CUSPIDORE MFG. CO.,

Office and Factory, 30 Ward St., Near Market St. Depot, Penn. R. R., NEWARK, N. J.

Joseph A. Bogardus,

167 Chambers St., New York City.



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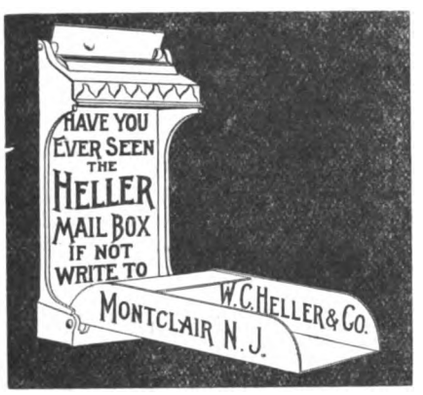
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Celebrated Ice Tools,

AND JOBBER IN

Hardware & Agricultural Implements.

Send for Price Lists.



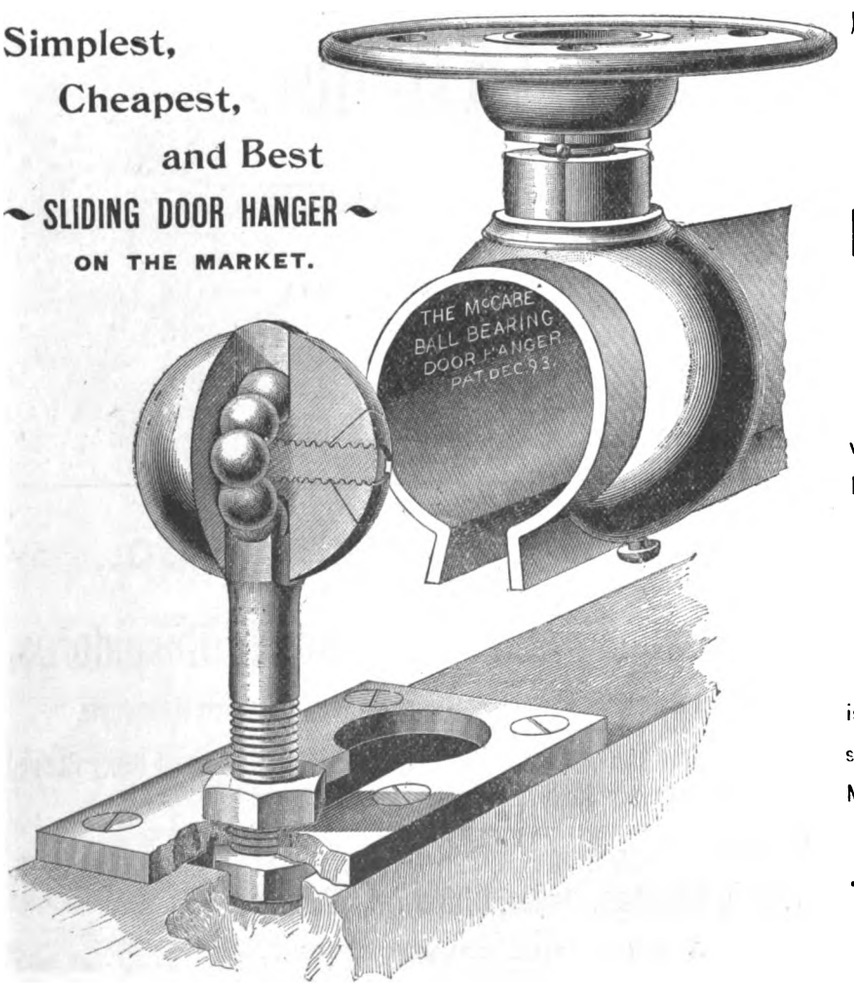
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94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.

Simplest,
Cheapest,
and Best
SLIDING DOOR HANGER
ON THE MARKET.



The McCabe Ball Bearing & Tubular Door Hanger

IS THE ONLY

Ball Bearing Door Hanger

ON THE MARKET.

It is also the only Hanger having an

ADJUSTABLE TRACK,

which can be regulated without removing the Door or Casing.

The Hanger is Entirely of Steel.

Send for our Catalogue and see that it is by far the best Hanger for inside or outside use. For moving Parlor, Barn, Car, Fire, Mill, or Elevator Doors is unsurpassed.

Manufactured by

The McCabe Manufacturing Co.

256 & 257 BROADWAY, NEW YORK.

For Step Ladder Service the Hanger is Without a Peer.

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McKINNEY MFG. CO., Allegheny, Pa

Steel Strap and T Hinges,
Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

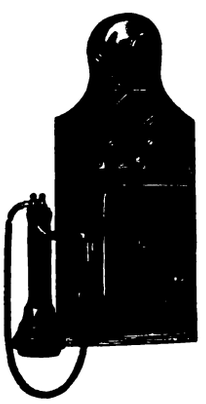
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

Carbon Battery Telephones.



They will talk all day and every day.
Long and Short distance.

SEND FOR PRICE LIST.

DEVEAU & CO.,

34 Frankfort Street, - NEW YORK.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1891.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

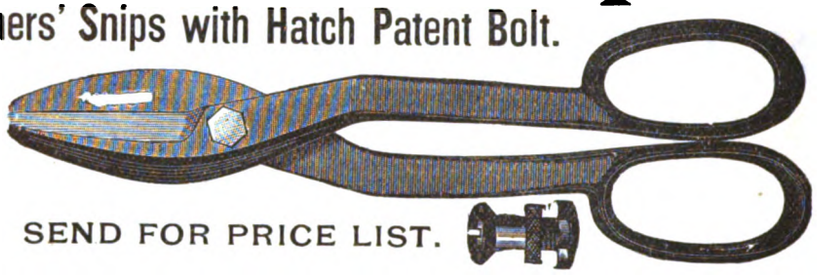


Hatch's Champion

Tinners' Snips with Hatch Patent Bolt.

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

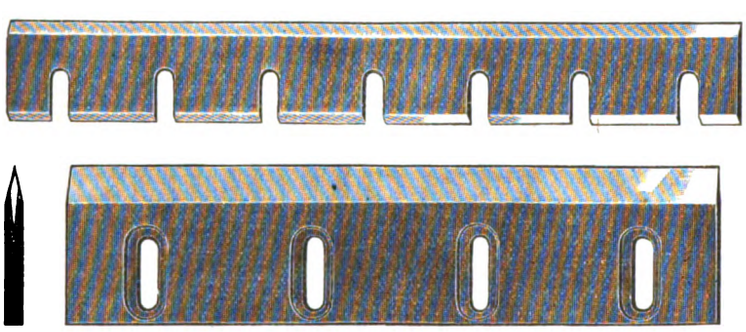
THE BEST SNIP IN THE MARKET.



SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
97 Chambers St., New York. Buchanan, Mich.



PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.
New York Office and Salesroom, 122 Chambers Street.

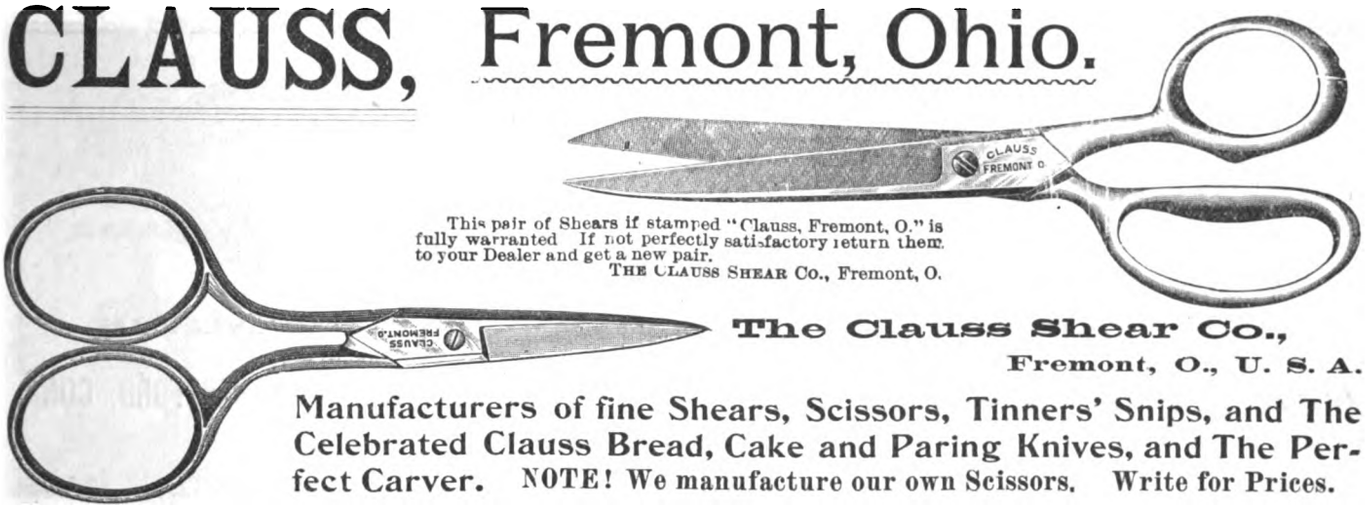
Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York. Shelburne Falls, Mass.

CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass can be placed name and residence, portraits of society emblems celebrities or anything desired These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

ESTABLISHED, 1835. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs Hermann Boker & Co. as Agents for the sale of our goods.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
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ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO.

MYERS REVERSIBLE STEEL AND WOOD TRACK HAY CARRIERS

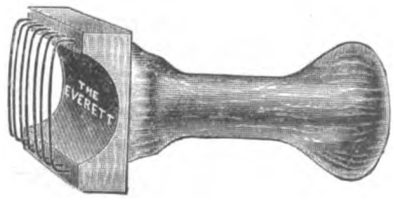
TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



GREATEST IMPROVEMENT OF THE AGE.

Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

—MANUFACTURED BY—

Everett Specialty Co., Boston, Mass.

THE KEENEDGE SKATE GRINDER AND SKATE HOLDER.

Special Discount to the Trade.

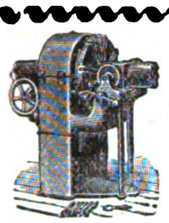
Write for prices and circular to

SKATE GRINDING MACHINERY

CHARLES PERKINS,

Bridgewater, Mass.

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ARMSTRONG MANUFACTURING CO.



BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.



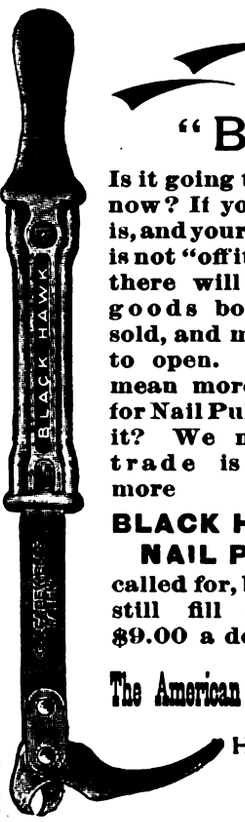
STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.



NEW YORK OFFICE: 139 CENTRE ST.





"Biz."

Is it going to "hum" now? If you think it is, and your "thinker" is not "off its trolley," there will be more goods bought and sold, and more boxes to open. This will mean more demand for Nail Pullers won't it? We notice our trade is growing, more

BLACK HAWK NAIL PULLERS

called for, but we can still fill orders at $9.00 a doz. net.

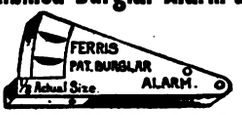
The American Specialty Co.,

Hartford, Conn.



Ferris Combined Burglar Alarm and Look.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. Sample to Dealers, 50 cents. Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

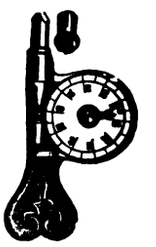


Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



RHODE ISLAND PERKINS HORSE SHOE CO.,

MANUFACTURERS OF **HORSE AND MULE SHOES OF THE PERKINS PATTERN.**

Specialties—X. L. Steel Shoes, Toe Weight Shoes and Goodenough Shoes.

Works at Valley Falls, R. I. Office, 31 Exchange Place, Providence, R. I.

F. W. CARPENTER, Pres. C. H. PERKINS, Gen'l Manager. R. W. COMSTOCK, Secy. CHAS. R. STARK, Treas.

STRAP HINGES

OUR PRICE NOW IS

6 in. $2.25
8 in. $2.15
10 in. $3.00
} per 100 lbs. net.

Delivered if not more than 300 miles from Buffalo.

WELL MADE GOODS.

James Mann & Sons, Buffalo, N. Y.

This is the "SALEM" HANGER,

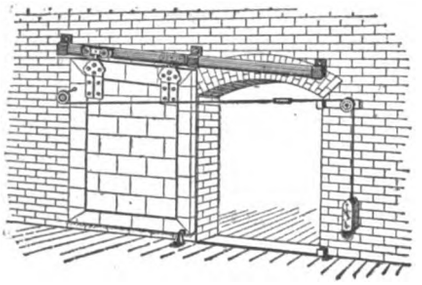
A BRAND NEW ARTICLE OF "BUILDERS' HARDWARE,"



AND WE WANT THE HARDWARE TRADE TO WRITE US FOR SAMPLE AND PRICES.

Write us for Sample.

The W. A. South Co., Salem, Mass.



Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

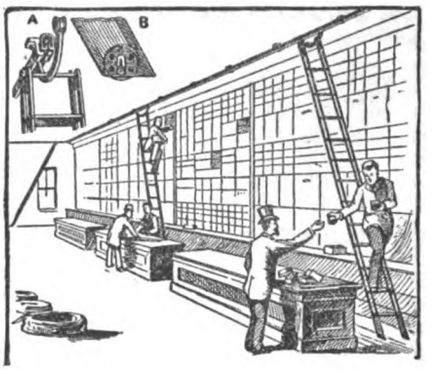
Parlor, Barn and Fire Door Hangers.

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COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





You can get everything in the line of Sheet Metal Goods from us.

PRICES WAY DOWN.

STEEL ROOFING

Corrugated Iron,

Galvanized Steel Eave Trough,

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Ornamental Crestings, Finials, Etc.

Down! Down! go Prices. **WRITE US QUICK.**

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ORMONDS RHEUMATIC REMEDY

CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

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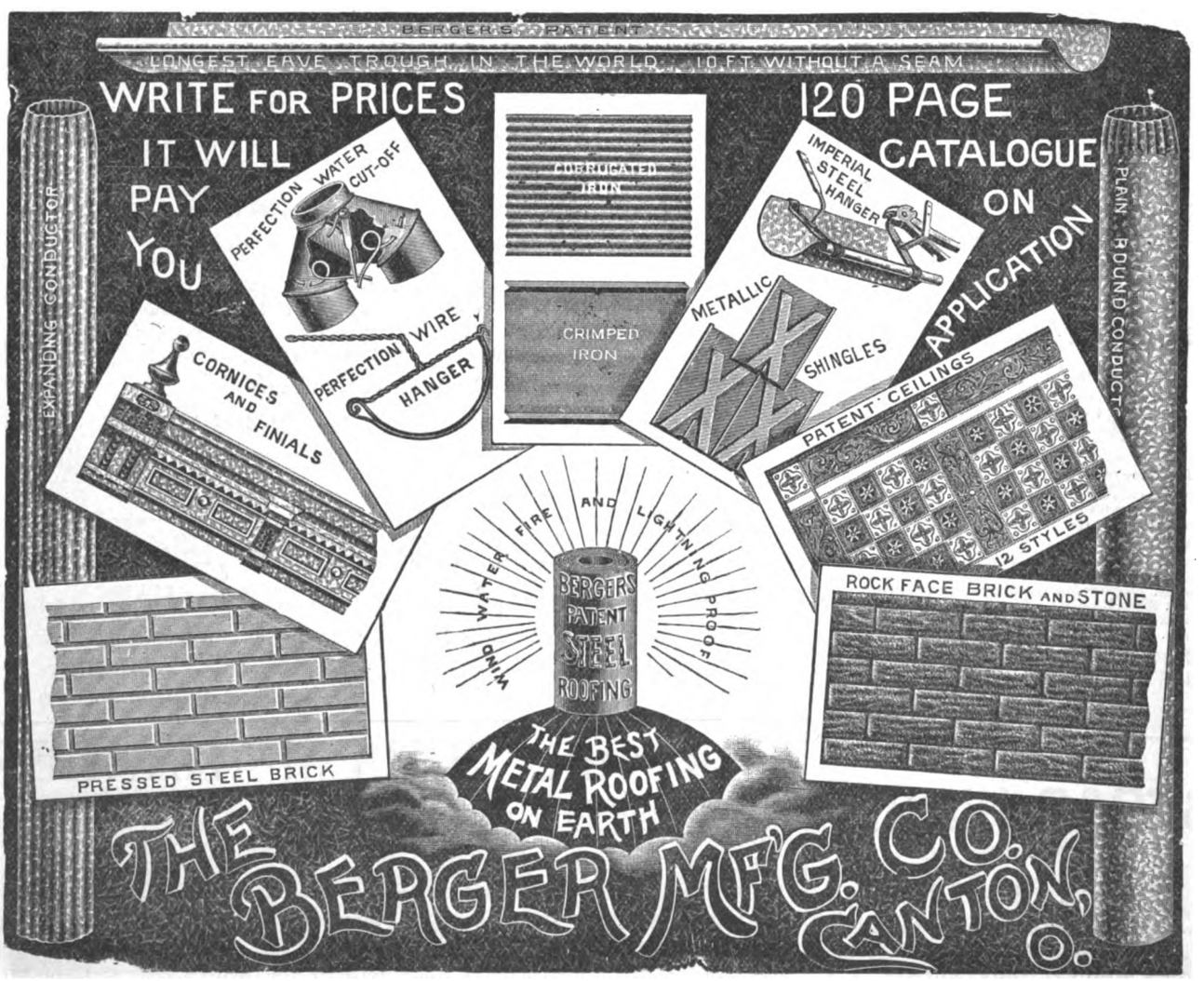


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Agents make from $5 to $50 per day.

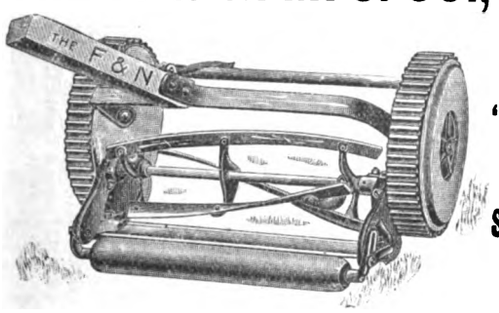
One in a residence means a sale to all the neighbors. Fine instruments, no toys, works anywhere, any distance. Complete, ready for use when shipped. Can be put up by any one, never out of order, no repairing, lasts a life time. Warranted. A money maker. Write W. P. Harrison & Co., Clerk 10, Columbus, O.



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—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

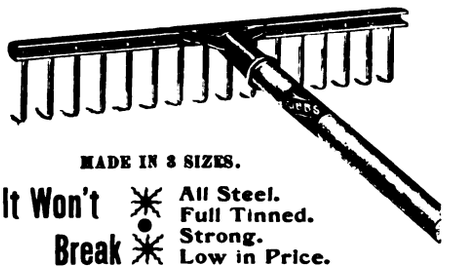
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MADE IN 3 SIZES.

It Won't Break — All Steel. Full Tinned. Strong. Low in Price.

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WITH GROUND AND GRADUATED VIAL.

4-6 and 8 inch.



Three Sizes.

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THE BEST IN THE WORLD. **NEWBURCH, N. Y.**

This is our Mower that was awarded the HIGHEST PREMIUM and attracted so much attention at Chicago for its lightness of draft, durability and quality of work.



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This is our Horse Lawn Mower with all the latest improvements. Surpasses anything ever made.



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PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5¼ Inches Diameter.

LENGTH.	LIST.
10 Inch	$13.00
12 "	14.00
14 "	15.00
16 "	16.00
18 "	17.00

Discount to the Trade, 70 per cent., F.O.B. Factory.

PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.

If you wish a first-class Mower in all respects, one that is fully warranted,

——BUY McGUIRE'S DIAMOND.——

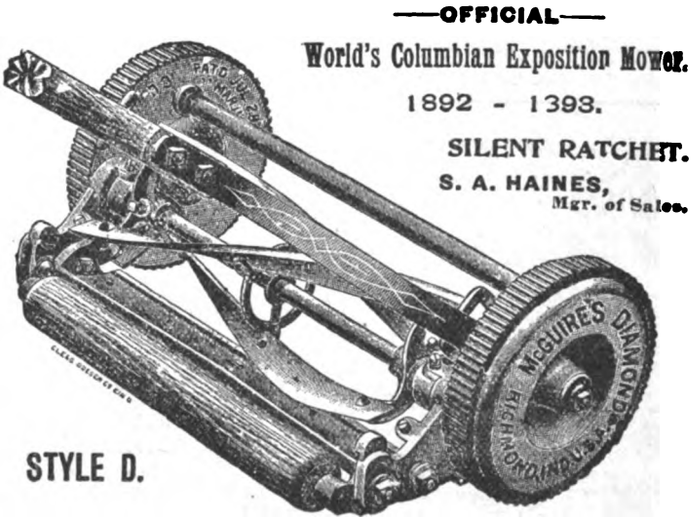
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World's Columbian Exposition Mower.

1892 - 1393.

SILENT RATCHET.

S. A. HAINES, Mgr. of Sales.



STYLE D.

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No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner.
Height, 32½ inches. Spread of Base, 12½ inches. Nickel Finish.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION:

The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGER MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

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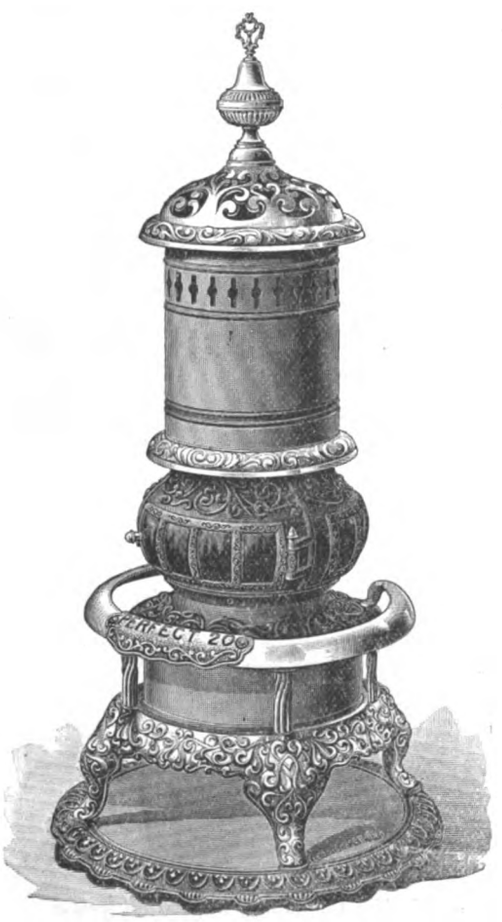
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NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner.
Height, 32 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

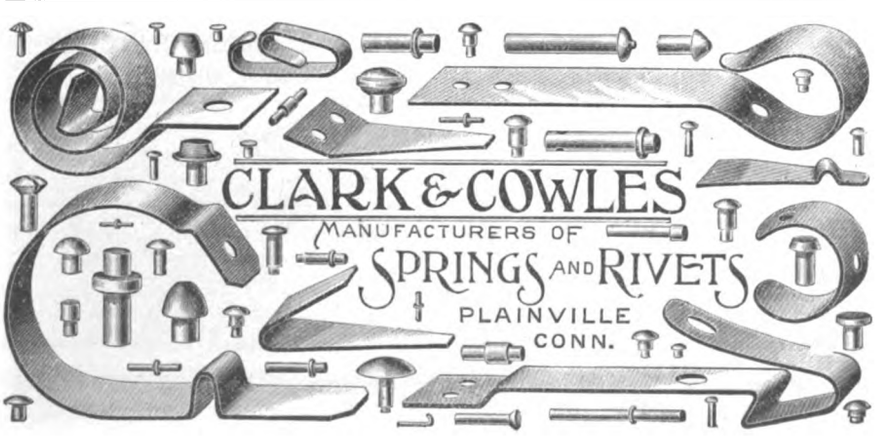
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No. 12 Perfect.



If you wish to learn something to your advantage, send for a sample copy of

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ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

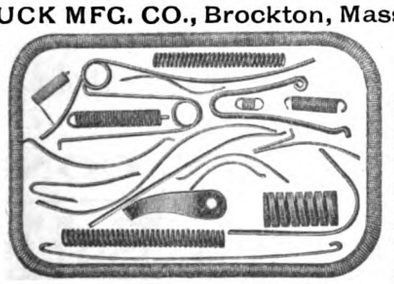
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Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS

THE BEST

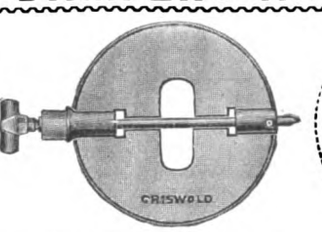
For GAS or GASOLINE STOVES.

Easy to Clean.

LONG WOOD HANDLES.

BUY NO OTHER.





Wood or Nickel Handle.

Ask for the

AMERICAN: BEST SELLER.

BUY NO OTHER.



JUST OUT

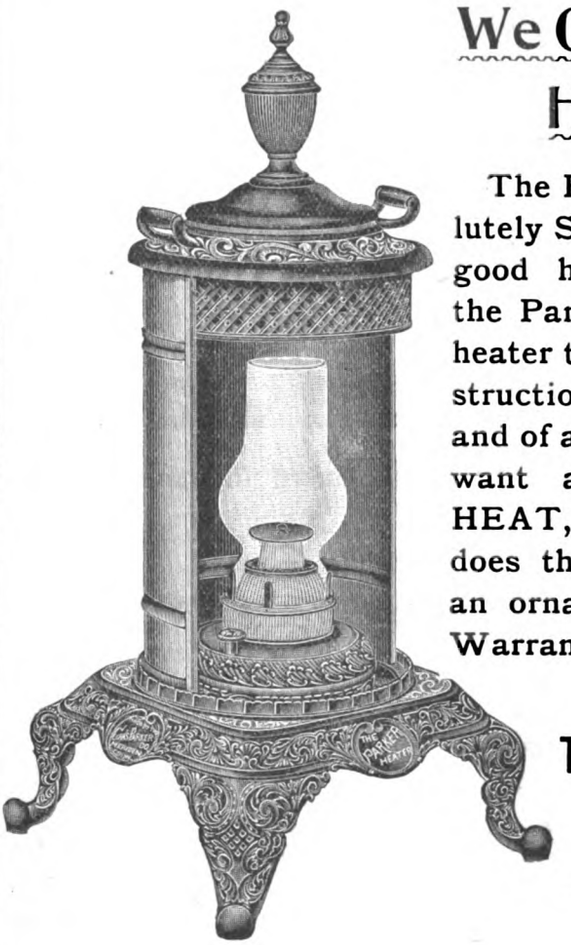
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Send for Samples.

Griswold Mfg. Co.,

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We Can Make It Hot For You.

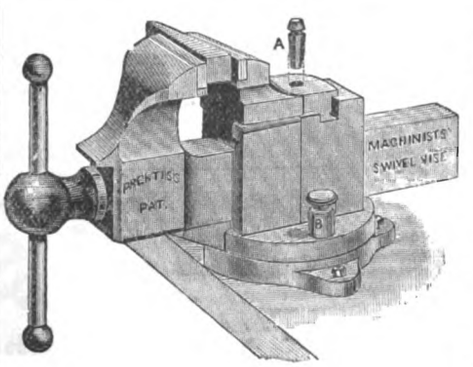


The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

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The Leaders for 20 Years.

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Even the Brownies read our Special Offer No. 5 in the October 25th Hardware. Did you?

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Manufacturers of Highest Grade Silver Plated Ware.

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Factories and Main Office, * *
WATERBURY, CONN.

New Departure Tea and Office Bells.

- - - Just the thing for the holiday trade. - - -



Superior Bell Metal Gong.
Solid Bronze Base.
Quadruple Silver Plate.

Electrical results without a battery.

These Bells are wound by turning the Gong, producing from 250 to 350 rings for each winding.



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Solid bronze bases, finished in nickel plate, natural bronze and old copper.

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WORCESTER, MASS.

Make the finest line of Steel Wire

Coat and Hat Hooks

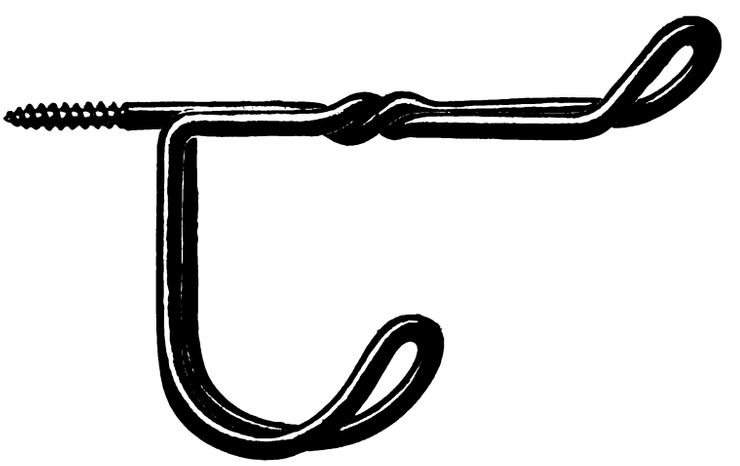
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Harness, Fire Pail, Hotel, Ceiling, School House and Wardrobe Hooks.

"THE CHIEF"

Coat and Hat Hooks.



Full Size Cut of No. 123. Patented.

We also make everything in Wire Specialties to order.

The Wire Goods Company,

Worcester, Mass.

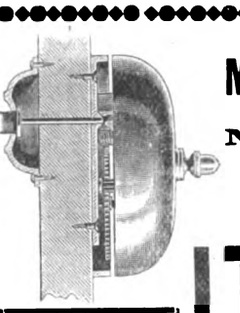
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146, 148 & 150 Water St., 97 & 99 Superior St., Cleveland, Ohio.



THE
MULTI-STROKE BELL
HAS
NO CLOCK SPRING
REQUIRES
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AND IS
THOROUGHLY RELIABLE.

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Gen'l Agents,
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Produces Electrical Results.
Has No Battery to Get Out of Order.
Operates with a Push-Button.
Rings 75 Times at Each Pressure
Is Simple in Construction.
Has No Clock Spring.
Requires No Winding.
Is Neat in Appearance,
Is Reasonable in Price.
IS ALWAYS IN ORDER.

ESTABLISHED A. D. 1830.

First-Class Screwdrivers in Great Variety.



The call now is for the Best. We can meet the demand. A dozen different kinds. Cheapest to the very Best.

Take no brand but
WILLIAM JOHNSON.



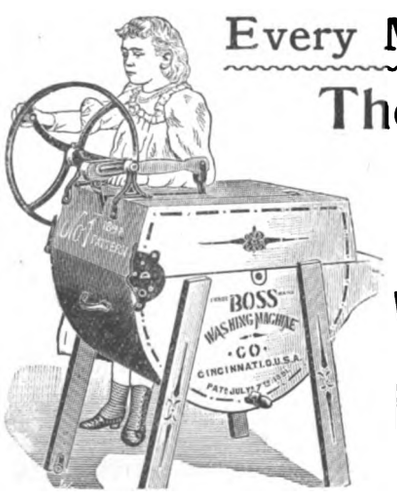
Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Brick, Plastering and other Trowels, Dividers, Conductors' Punches, Revolving and Spring Punches, &c. &c.

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Every Machine Guaranteed to Give Satisfaction.



The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

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Boss Washing Machine Co.,

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is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

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Buckeye Churn Co.,
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A GREAT LEADER for you is
WORTHLY'S PATENT
"SLOW FEED,"
$1.60, 25-lb. Manger.
10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



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53 Elm Street, Boston, Mass.

"HARDWARE" has a field of its own.
That's Why
Advertisers get results.

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They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

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U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
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Cent. Fire, Pistol and Rifle.25&5&2%
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Blank Cartridges, 22 cal.....$1.75 2%
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Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
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Standard List July 19, 1890 40&10&10%

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B.E., 8.....96c..B.E., 7.....$1.10
P.E., 11 up.1.15..P.E., 9&10...1.50
P.E., 8....1.70..P.E., 7.....1.80
20&2%

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Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.15
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .35
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Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
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[For 1 to 5 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
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In cases of 2 each.
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Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

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Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
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HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
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Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

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Eagle Anvils, ₩ lb 10c.....15%
Peter Wright's.....11½c
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ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
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Russell Jennings' Augers and Bits35%
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Stearns' Expansive.....30&10%
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Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Shepardson Diamond ₩ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₩ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&30%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Clr. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise.....20%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%

DOOR—
Gong, Abbe's.....40%
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....50&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2. $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 50%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic.....₩ doz. $3...33⅓%
Excelsior..₩ doz. $10.00....50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $2.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9 00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob, " 40&10%
Wr't Shutter, Sargent's list. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...30%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....30%
Eagle Phila., list Oct. 16, '84....30%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....30%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....30%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—

"Easy" Bolt Clipper, No. 1, $5.00; No 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Ratchet.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

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Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled..65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.).....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 26.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net, ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....85&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....30&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....30&10&10%

Butts—
BRASS—
Wrought Brass.....80&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c.....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....60%

Calf Weaners—
Hill's No. 1, $3.00; No. 2, $3.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75, 25%
No. 5, Iron Handle, ₩ gr. $6....45@50%
Eureka.....₩ doz: $2.50.....10%
Sardine Scissors..₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's 70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton 25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz. 85c 20%
Bullard's.....20%
Dunlap's.....25%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned .....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Parlor Queen.....₩ doz. $24 00
Standard.....₩ doz. $24.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓&
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓&
Covert's Horse and Cattle:
Jute.....33⅓&
Manilla.....33⅓&
Sisal.....33⅓&

Chain—
Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6¼-10-3, ₩ pair 92c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓&
Covert's Breast Chains.....33⅓&
Covert's Hitching Chains.....33⅓&
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers, Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's (Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.55&5
Superior Axle Clips.....65%&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....20%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓&
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—
Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%

Crayons—
Sargent's List.....20%

Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches $1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5 $1.35 $1.48 $1.60
5½ 6 7 inches $1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G. 50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓&

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886. .....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} .75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@35%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Action.25 @30%
Ratchet, Billings' Dble. Acting.33⅓&
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓&
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)....₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50@11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓&

Egg Poachers
Morgan Steam, No. 3. ₩ doz. $4.20 No. 5. $6.00.....40%

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Emery—

	No. 4 to No. 54 46 gr.	150 gr.	Flour, OF F'F.
Kegs, ₩ ℔	4½c	5c	2½c
½ kegs, ₩ ℔	4½c	5½c	2¾c
¼ kegs, ₩ ℔	5c	5½c	3c
10 ℔ cans, 10 in case	6c	½c	5c
10 ℔ cans, less than 10	10c	10c	7½c

Escutcheon Pins—

Iron, list January, 1890.....60%
Brass.....65%

Enameline—

No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—

Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—

John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. Western Pattern, Cork Lined.....50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Tyrry's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....20%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—

DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....55%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&50 10%

IMPORTED—
Moss & Gamble, List April 1, 1883.15%
Butcher.....Butcher's list, 30%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—

Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—

Knox.....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....25&2%
Crown Fluters.....30%

Fluting Scissors—

List.....45%

Fly Fans—

Columbia.....10%
Fowlers ₩ doz.....$21.00
Keyless M. & I. Co. ₩ doz.....$21.60

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—

Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co.....25%
Henis.....₩ doz $3.50
Shepard's Queen City.....40%

Fry Pans—

Standard List:

No.	0	1	2	3	4
₩ doz.	$6.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—

Bolgiano's New Hot Air Perfection Gas Iron.....₩ doz. $18.00

Gauges—

Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....35&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—

Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....35&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—

Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—

Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—

Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's.....₩ doz. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding.....40%

Hammers—

HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%
C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ dos.....
Nos. 1, $3; 2, $6.....33⅓
Steel Face Shoe.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 ℔...₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c
Wilkinson's Smiths...10½c@11c₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES—
Japanned.....50&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....60%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 5.00
Socket Firmer Chisel, as. ₩ gr 8.00
} 40%&20%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted...₩ gr 5.00
Auger, large.....₩ gr 7.00
} 30@ 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 23c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—

Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....50&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 65¼c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—

Lightning. Mfrs' price ₩ doz $12.00, 45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—

WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hook... 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....25&10%
Empire and Crown.....20%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...25@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....80%
Rubber.....66⅔%

GATE HINGES—
Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&2%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....80%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—

HANDLED—
Garden, Mortar, &c.....80%
Planter's Cotton, &c.....80%
Warren Hoe.....65%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 30%
Ladies' hoes.....₩ doz $3.00, 30%
Scuffle.....30%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat...35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ₩ doz $1.35
Hill's Tongs.....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.80@$1.70
Perfect Ringers...₩ doz $3.15@$2.35
Blair's Hog Ringer ₩ doz $3.25@$3.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers.....₩ doz $3.00
Champion Rings, Double, ₩ doz $3.25
Brown's Ringers.....₩ doz $3.00
Brown's Rings.....₩ doz $1.25@$1.30

Hollow Ware—

IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....50@50&5%
Triumph Broilers.....50%

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SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton
Meriden Britannia Co.
Simpson, Hall, Miller & Co.
Rogers & Brother } 40&5%
Hartford Silver-Plate Co.
William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading
Clothes Line, Sargent's list } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50c.10%
Coat and Hat, Reading, 50&10@50 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	21c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	28c	26c	26c	24c	22c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	26c	25c	24c	23c.	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n.	25c	23c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	22c	21c	21c.	35&10@33⅓&5%
C. B. K.	25c	23c	22c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	22c	21c.	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	28c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	22c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronzed	13@14c ₩ lb					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles -
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen.	$14.40	$15.00	$20.64	$23.40
Each	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen.	$32.00	$32.40	$41.58	$49.50
Each	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen.	$65.34	$79.20	$106.90	$136.62
Each	5.45	6.60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen.		$14.40	$18.00	$20.64
Each		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen.		$23.40	$27.00	$32.40
Each		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....35%
Wilson's Butcher Knives.....35%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.55 @ $1.15
Ames' Shoe Knives.....30%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 35%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 30%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00: 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deits Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 1-9 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Blaymaker, Barry & Co.
No. 1010 line.....90&40%
No. 41 line.....50%
No. 61 line.....60%
No. 21 line.....80%
No. 427 line.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.		100	150
		$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$60	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....35%

Nail Pullers—
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....35%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....30%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....35%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¾ to 2x⅝ to ⅝ at back, ½ to 5-16 edge ₩ lb .80
No. 1, (same sizes as above) " .70
No. 2, " " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¾ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x3, ₩ doz.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb..... .24
" 2x2x1¼, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb.....3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ ₩ lb.....4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50

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Discount 33⅓%.

Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₱ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₱ lb. .10
Round Edge Slips, about 6x1½ to 2x¼ to ¾ back x ½ to ¼ edge, ₱ lb. .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₱ lb. .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₱ gross. 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₱ gross. .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₱ lb. .08
Small Axe, about 8x2x½ to 1 ₱ lb. .10
Special Axe, 2½x1½x½ ₱ lb. .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ₱ lb. .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₱ lb. .05
Large, 8¼ to 9x2½x2, weight about 2 lb. ₱ lb. .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₱ lb. .06
Large Table, 10x4x3 " .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₱ lb .80
No. 2, " ₱ lb. .40
Round Edge Slips, No 1, ₱ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanizing, per lb 70c. 40%
Boston "Phœnix" Red Sheet, per lb. 50c. net
N. Y. B. & P. Co., Standard 50%
N. Y. B. & P. Co., Empire 60%
N. Y. B. & P. Co., Salamander 25%
N. Y. B. & P. Co., 1846-Para 40&10%
N. Y. B. & P. Co., Double Diamond 60%
N. Y. B. & P. Co., Carbon 60&10%
Standard 60&10%
Extra 50&10%
Cleve. Rubber Co., Buckeye 75%
Cleve. Rubber Co., High Grade 60%
Cleve. Rub. Co., Warranted 2XL 50%
Jenkins' Standard ₱ lb 30c. 25&5%
MISCELLANEOUS—
American Packing 10c@11c ₱ lb
Russian Packing 14c ₱ lb
Italian Packing 13c@14c ₱ lb
Cotton Packing 15c@17c ₱ lb
Jute 7c@8c ₱ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance ₱ doz $4.75
Baldwin ₱ doz 5.25
Bonanza ₱ doz 5.00
Daisy ₱ doz 4.00
Dandy ₱ doz 7.50
Eureka, 1888 each 16.00
Family Bay State ₱ doz 12.00
Favorite ₱ doz 5.00
Ideal ₱ doz 4.00
Improved Bay State ₱ ds. $27@30.00
Little Star ₱ doz 4.50
Monarch ₱ doz 13.50
New Lightning ₱ doz 5.50
Penn ₱ doz 4.00
Perfection ₱ doz 4.00
Pomona ₱ doz 4.00
Rocking Table ₱ doz 6.00
Turntable ₱ doz 4.50
Waverly ₱ doz 4.00
White Mountain ₱ doz 4.00
72 ₱ doz 4.25
78 ₱ doz 7.00
Oriole, ₱ doz $5.00 20&10%
Victor, ₱ doz $15.00 20%
Gold Medal ₱ doz $3.50 net.
Scott's Pat. Rotary, ₱ doz $15.00, 20%
POTATO—
White Mountain ₱ doz $4.50
Antrim Combination ₱ doz 5.50
Hoosier ₱ doz 13.50
Saratoga ₱ doz 5.50

Pencils—
Faber's Carpenters' high list 50%
Faber's Round Gilt ₱ gro $5.25
Dixon's Lead ₱ gro 4.50
Dixon's Mascot, Round ₱ gro. $3.10
Dixon's Mascot, Hexagon ₱ gro. 3.38
Dixon's Lumber ₱ gro 6.37
Dixon's Carpenters' ₱ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead ₱ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00 60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality 55%
Bench, Second Quality 60%
Bailey's (Stanley R. & L. Co.) 40%
C. E. Jennings & Co. 50&10%
U. S. Ship 45%
U. S. Grooving 40%
Fales Bench 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's 40%
Victor 20%
Miscellaneous 25%
Steer's Iron Planes 40@40&10%
Meriden Mal. Iron Co.'s 40@40&10%
Davis's Iron Planes 40@40&10%
Gage Tool Co.'s Self-Setting 20&10%
Chaplin's Iron Planes 40@40&10%
Sargent's 40&10%
Standard Tool Co. 50@50&5%
Siegley's Comb'ation ₱ doz $5.50 net.
PLANE IRONS—
Butcher's $5.00@$5.25 to £
Buck Bros. 30%
Auburn "Thistle" } 25%
Ohio } 25%
Sandusky } 25%
S. & I. J. White 25%
Stanley Rule & Level Co. 50%
C. E. Jennings & Co. 25&10%
Hinsdale 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers 33⅓%
Hall's X American Pliers 20%
Hall's Side Cutting Pliers 30%
Hall's Nippers 30%
Button's Patent 50%
Humason & Beckley Mfg. Co. 50@50&10%
Gas Pliers 60%
Eureka Pliers and Nippers 40%
P. S. & W. Cast Steel 50%
P. S. & W. Tinners' Cutting Nippers add 6% dls. 10%
Carew's Pat. Wire Cutters 20%
Swiss Pliers 25%
Stubs' 20%
Morrill's Parallel, ₱ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00 50%
Button Pattern, 8 in. $7.50; 10 in. $10.50.
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₱ doz. $2.00; 6½ in. ₱ doz. $2.25

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12 25%
Stratton's Nos. 2 to 8 50%
Cook's 40&10%
Stanley's 75%
Regular List 75%
Disston's 50%
Pocket Levels 70%
Davis' Iron Levels 20&10%
Davis' Inclinometers 10&10%
Wood's Extension Sight 30%
Plumb Bobs 40%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's 25%
R. I. Tool Co., Handcuffs, $15.00 ₱ doz. 10%
R. I. Tool Co., Leg Irons, $25.00 ₱ doz. 10%
J. P. Lovell's Police Goods 25%

Polish, Metal—
Prestoline 20&10%
Prestoline Paste 33⅓%

Polish, Stove—
Joseph Dixon's ₱ gro $6.00, 10%
Gem ₱ gro $4.50, 10%
Lustro ₱ gro $4.75
Rising Sun, 5 gro lots ₱ gro $5.50
Dixon's Plumbago ₱ 100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₱ gr $10.00@$10.50
Round or Sq., 1½ qt. ₱ gr $15@$15.50
Round or Sq., 2 qt. ₱ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw ₱ doz $18.00, 25%
Disston's Pruning Hook ₱ doz $12.20, 25&5%
Seymour Smith & Son's ₱ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools 40%.
Pruning Shears, Henry's Pat. ₱ doz $3.75@4.00 net
Henry's Pruning Shears ₱ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination ₱ doz $12.00, 20%
Dunlap's Saw and Chisel ₱ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₱ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₱ doz. 40&3%

Pulleys—
Axle 60%
Dumb Waiter 60%
Ceiling 60&10%
Hot House 66⅔%
Upright 60&10&10%
Screw 60&10&10%
Clothes Line 55@60&10%
Awning 60&10&10%
Empire Sash Pulley 60%
Common Sense 60%
Moore's Sash, Anti-Friction 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.73 50%
Shade Rack 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₱ doz $12.00 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.'
No. 1, Fig. 328, 3 in. Shallow Well Pump $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump $15 00
No. 5, Fig 307, 3 in. Deep Well Pump $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Wel Pump $15.00
No. 32, Fig. 523, 3 in Deep Well Pump $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump $15.00
No. 72, Fig 333, 3 in. Deep Well Pump $15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump $1 .00
No. 102, Fig. 448, 3 in. Lift Pump $10.00
No 118, Fig. 418, 3½ in. Lift Pump $12.00
No 128, Fig. 510, 3 in. Lift Pump $7.00
No 131 Fig. 510, 3½ in. Lift Pump $8.00
No. 225, Fig. 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 2 5, Fig. 403, Windmill Pump $14.50
No. 240, Fig. 406, Regulator Pump $30 00
No. 280 Fig. 4 4, Imperial Cyclone Pump $18.00
No. 265, Fig. 572, Cyclone Tank Force Pump $ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump $ 7.00
No. 268, Fig 513, Low Down Tank Force Pump $16 00
No. 3 2, Fig. 477, Spray Pump complete $11.50
No. 820 Fig. 492, Bucket Spray Pump $5.50
No. 33, Fig 547, Knapsack Spray Pump $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₱ doz., 90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₱ doz $2.50@2.60
Spring, Leach's Pat. 15%
Bemis & Call Co.'s Springfield Socket 65%
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₱ doz. $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co. 20&2%
Rice Hand Punches 15%
Avery's Revolving 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots 33⅓%
Lesser quantities 25%
Niagara Hollow 20%
Niagara Solid 55%

Rail—
Sliding Door, Wr't Brass, ₱ lb 35c 25%
Sliding Door, Bronzed Wr't Iron ₱ ft. 7c
Sliding Door, Iron, Painted, ₱ ft 4c 40%
Barn Door, Light, In. ¼ ⅜ ½
Per 100 feet $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₱ ft. 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. $2.15 2.70 3.25 net
Terry's Steel Rail, ₱ foot 4½c
Victor Track Rail, 7c ₱ foot 50&2%
Carrier Steel Rail, ₱ foot 4½c
Moore's Wrought Steel 25&10%

Rakes—
Cast Steel, Association goods 70%
Cast Steel, outside goods 70&5%
Malleable 70@70&5%
Oneida Lawn $6.00 doz., net
Gibbs' Lawn Rake. net ₱ doz. $4.90
Gibbs' Canton Lawn Rake net ₱ doz $3.75
Gibbs' Favorite net ₱ doz $3.90
Gibbs' Acme net ₱ doz. $4.75
Gibbs' Crown, No. 1 net ₱ doz. $4.90
Gibbs' Crown, No. 2 net ₱ doz. $5.30
Gibbs' Hustler, No. 0 net ₱ doz. $4.25
Gibbs' Hustler, No. 1 net ₱ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless 65%
Fort Madison Steel Tooth Lawn Rake, $6.00 25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4
Per doz	$1.40	1.50	1.50	2.25..30%

Boys' rakes ₱ doz $3.50
Ladies' rakes, ₱ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₱ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust $1.50
Gibbs' Garden:
Boss, No. 14 net ₱ doz. $2.95
Boss, No. 18 net ₱ doz. $3.10

Razors—
J. R. Torrey Razor Co. 20%
Wostenholm and Butcher, $10.00 to £ net
Jordan's AAA1, list Nov. 1, 1889. 50%
Jordan's Old Faithful, list Nov. 1, 1889 50%
Electric List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—
Francis Kell & Son 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887 60&10%
Copper 50@10%
Coopers 60&10%
Block 60&10%
Carriage 60&10%
Hame 60&10%
Belt "Bettina" with Burrs 50&5%
Burrs 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₱ lb less than Norway Rivets.
Belt with Burrs 60&10%

Rivet Sets—
Regular list 55&60%

Rods—
Stair, Brass 30%
Stair, Black Walnut ₱ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door 55%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger ₱ lb 7¾c
Manilla, ⅜ ₱ lb 8¼c
Manilla, ¼ and 5-16 ₱ lb 8¾c
Sisal, 7-16 and larger ₱ lb 8½c
Sisal, ⅜ ₱ lb 8½c
Sisal, ¼ and 5-16 ₱ lb 8½c
Sisal Lath Yarn, medium ₱ lb 5½c
Cotton Rope ₱ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₱ lb 7 c
Manila ⅜in ₱ lb 7½c
Manila, ¼ and 5-16 in ₱ lb 8 c
Manila Hay Rope ₱ lb 8 c
Sisal, 7-16 in. & larger ₱ lb 5 c
Sisal ⅜ in ₱ lb 6 c
Sisal, ¼ and 5-16 in ₱ lb 5½c
Sisal, Hay Rope ₱ lb 5½c
Sisal, Med. L'the Y'rn ₱ lb 5 c
1½% for cash in 10 days.
Cotton Rope ₱ lb 11@13c net
Jute Rope ₱ lb 5@6c net

Rules—
Boxwood 30%
Ivory 50%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel 35&10%

Sad Irons—
From 4 to 10 at factory ₱ 100 lb $2.50@$2.75
Self-heating ₱ doz $3.00 net.
Self-heating, Tailors' ₱ doz $18.00 net
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 8½c, 15%
New England 6c, 15%
Mahony's Troy Pol. Irons 15%
Sensible 20%
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₱ set $ .75 net.
No 55, ₱ set. .70 net.
No. 60, ₱ set .80 net.
No. 65, ₱ set .75 net.
Outfits, No 550, each 2.60 net.
Outfits, No. 555, each 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net $8.40
Crown Sad Irons, No. 235, per dozen, net $9.00
Chinese Laundry, net ₱ lb .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper 50&5%
Emery Cloth 50&5%
Garnet Paper 30&5%

Sash Chain—
Giant 40%
Monarch 50%
Red Metal 40&10&10%
Steel 40&10&10%
Morton's:
Champion Metal 25%
Steel Cable 25%

Sash Cord—
Common ₱ lb 10@11.
Jute, good quality ₱ lb 11.
White Cotton Braided, fair ₱ lb 2
Common Russia Sash ₱ lb 16c

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Patent Russia Sash..... ℔ ℔ 15c
Cable Laid Italian Sash ℔ ℔ 22½c@25c
India Cable Laid Sash..... ℔ ℔ 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%
C Quality, White (only) 26½c@ 28c
Sylvan Spring
Extra Braided White..... 35c
Extra Braided Drab..... 37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....43c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's..... 33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00..... 40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00..... 40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00, No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 40%
King's.....33⅓%
Keller's.....40&10%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '82..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@50%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perfection Screens ..50&5@50&10%
Window Screen Frames...50&10@ 50&10&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@90c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....70%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel. 65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bees, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....30% [Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25% Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters.....℔ doz. $2.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Falls.....25%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co. .40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron..... } 80%
Nickel-Plated.. }
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2½ is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ℔ box.....$5.15
Atlas "Home" Tacks:
No. 50, ℔ carton.....$3.00 } 50%
No. 50, ℔ case.....36.00 }
No. 100, ℔ carton..... 6.00 }
No. 100, ℔ case..... 72.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am Iron Cut Tacks.....55%

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Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc. Swedes Iron.....50%
Gimp and Lace Tacks, Lanc. Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....35%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887 70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T.. $3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2 75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft..... 09
Single Rail Steel Track with clamps, ₩ ft..... .09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each.....$1.50
Walker Fork, each.....$1 15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 473, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.. $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 498, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in. ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch, ₩ doz..... $1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80&10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $3.50,15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Lothrop's Brick and plastering.25 @25&5%
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%

Vises—
Solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS -
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire..... 50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'."....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—
Per Dozen
No. 20, Erie, 10 inch.....$24.00
No. 30. Erie, 11 inch.....27.00
No. 55, King, 11 inch.....38.28
No. 45, King, 10x1¾ inch.....35.00
No. 65, King, 11x2 inch.....32.00
No. 2, "77" 10 inch.....15.50
No. 2, Zenith, 10 inch.....16.50
No 3. Zenith, 11 inch.....19.00
No. 4. Zenith, 12 inch.....21.50
WOOD—
No. 40, Prime, 10 inch.....20.00
No. 50, Prime 11 inch.....23 00
No. 66, Columbia, 11x1¾ inch..27.00
No. 99, Pittsburg, 11x2 inch....31.00
No. 33, Nonpareil, 11x1¾ inch..28.00
No. 44, Nonpareil, 11x2 inch....33.00
Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches....21.00
No. 11 Rolls, 11x1¾ inches....25.00
No. 12 Rolls, 12x1¾ inches....29 00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₩ gal. 50c
Linseed, City, Boiled.....₩ gal. 53c
Linseed, Western, Raw...₩ gal. 54c
Lard, City, Extra, Winter.₩ gal. 56c
Lard, City, Prime.....₩ gal. 54c
Lard, City, Extra No 1...₩ gal 50c
Lard, City, No. 1.....₩ gal. 45c

Paints and Colors—
Barytes, Foreign ₩ ton $22.00@$25 00
Barytes, American, Floated.....₩ ton $26.00@$28 00
Barytes, American, No. 1.....₩ ton $16.00@$18.00
Barytes, American, No. 2.....₩ ton $13 60@$15.00
Barytes, American, No. 3.....₩ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small pack.....29c
Lead American, White.....4½@4¾c
Lead, Dry in Oil.....5¼@6¼c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs.....5¼@6c
Zinc, American, Dry.....3¼@4½

Putty—
In Barrels and half bbls. .01⅜@.01¾
In Tubs .....01⅜@.01¾
In Tin. Cans.....01¾@.02½
In Bladders.....02¼

Spirits Turpentine—
In regular barrels.....₩ gal. 30½c
In machine barrels.....₩ gal. 31 c

Varnishes—
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$3.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$3.50
No. 1 Coach.....$2.85
Lt. Hd. Oil Finish.....$3.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$2.50
Umber in Oil.....₩ lb .20
Sienna in Oil.....₩ lb .22
Ochre in Oil.....₩ lb .13
Window Blind Green in Oil.. .21
Chrome Yellow in Oil...₩ lb .27
Indian Red in Oil.....₩ lb .21
Dealers' Discounts in large lots.....25%

BE CAREFUL OF INFRINGERS OF Our Patents.

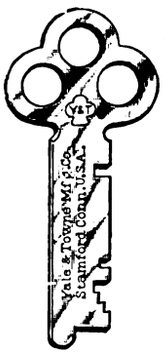
ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

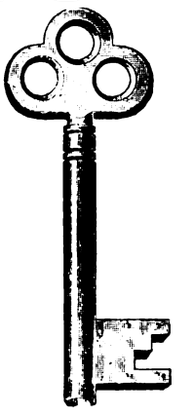
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than **1000** List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

A MANUFACTURER of high grade pen knives, scissors, razors, etc., desires to correspond with six first-class Hardware or cutlery salesmen of unquestioned ability to represent him after January 1st. The line comprises the handsomest as well as the most complete of any line on the market. Unexceptional opportunity for really first class men. Address in confidence, stating fully for whom you traveled how long, and territory covered. Hustler, care HARDWARE, No 143 Chambers Street, New York.

HARDWARE and Cutlery salesman for New York City and vicinity; also salesman for New York and New Jersey. Address H. J. C. & Co., care HARDWARE, 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

WANTED, by a young married man, twenty six years of age, position in wholesale or retail Hardware store. Experienced. Best of references. Address O. L. Barber, Tupper Lake, Franklin County, N. Y.

WANTED position as Hardware salesman, Builders' Hardware especially. Have had several years' experience in a first-class house. First-class references. Address Frederick J. Schwarz, No. 2 Willow Street, Brooklyn, N. Y.

A1 CUTLERY salesman with New England, Middle Atlantic States and local trade, wants situation at once. Is also Hardwareman. Address Traveler, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL designer and model maker, who has some original ideas that he wishes to make practical use of, would like a position with some company or firm who are open to business of that character. Address Model, care HARDWARE, No. 143 Chambers Street, New York City.

A PLUMBER. Fully experienced and competent; capable to take charge; quick workman; moderate wages; city or country. H. Webber, care of S Fullerton, No. 228 Chrystie Street, New York City.

AN experienced traveling man desires position with manufacturing concern to represent them in one or more large cities. Best of reference. Address A. J., care HARDWARE, No. 143 Chambers Street, New York.

AN experienced salesman in shelf, heavy and carriage Hardware, desires a situation. Can furnish best of references. Has an established trade. Address L., care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

TO Hardware Manufacturers and Importers: I want to handle on commission, in Chicago and vicinity, Hardware and house-furnishing specialties. Am a hard worker, and am well acquainted with the jobbing and retail trade. Good references. Address Energy, care HARDWARE, No. 143 Chambers Street, New York.

A BUSINESS man and salesman of twenty-five years' experience, capable and reliable, desires a manufacturers' agency—either Hardware specialties, supplies for gas, steam, water and oil, or a line of house-furnishing goods for domestic and export trade. Highest reference, given. Address Wallace, care HARDWARE, No. 143 Chambers Streets New York.

ARE you represented in Rochester, N. Y., a prosperous, wealthy growing city of 150,000, and the trading and manufacturing centre of a large section of the State? A gentleman of many years' business experience, of good judgment and well posted in commercial law, desires to represent a manufacturing, wholesale or jobbing house. Address P.O. Box 165, Clarkson, N. Y.

AN experienced salesman with extensive acquaintance among the larger buyers of builders' Hardware, calling frequently on the trade in Philadelphia, Pittsburg, Baltimore and Boston, and having office in New York City as agent for a first-class manufacturer, is anxious to represent an additional company. Address W. H. E., care HARDWARE, No. 143 Chambers Street, New York.

A **HARDWARE commission house** of New York City, centrally located, with ample room for samples and stock, and abundance of capital to carry out any agreement or contract which they may enter into, wish to **negotiate with manufacturers of staple lines of Hardware or specialties.** For further particulars, address Commission, care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Wanted.

WANTED by traveling man, long experience in New York State and Pennsylvania, Hardware specialty as side line, which will pay well for good work. Address Traveler, New Osborne House, Rochester, N.Y.

TRAVELING salesman wants A1 specialties or to represent a manufacturer or a line of goods in New England. H. Hayden, No. 667 Salem Street, Maplewood, Mass.

Side Lines Offered.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Law and Collections.

PLACE your Chicago Collections and *legal business* with SAYLER & FRAZER, Attorneys-at-Law, 171 La Salle Street (N. Y. Life Building), Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and M'f'r, **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York
Surpless, Dunn & Alder, New York.

Babbitt Metal.
Bruce & Cook, New York.

Beaters.
A. J. Hambel, Chicago.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg Co, Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Bridgeport Gun Implement Co., New York.
Crawford Mfg. Co, New York, Hagerstown, Md.
Cushman & Denison, New York.
Grand Rapids Cycle Co., Grand Rapids, Mich.
C. F. Guyon Co., New York.
S. F. Heath Cycle C., Minneapolis Minn
Wm. M. Justice & Co., Pittsburg, P.
Keating Wheel Co., Holyoke, Mass.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co. New York, Chicago.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Quadruped Novelty Co., Canton, Ohio.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co, Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven Conn.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester Mass.
Gillette Clipping Machine Co., New York.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Irons.
Bolgiano Mfg. Co., Baltimore, Md.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.
Surpless, Dunn & Alder, N. Y.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Keil & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Surpless, Dunn & Alder, New York.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
Francis Keil & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Reels.
Surpless, Dunn & Alder, New York.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Chas Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, New York.
Surpless, Dunn & Alder, N. Y.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Surpless, Dunn & Alder, New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Surpless, Dunn & Alder, New York.
Tower & Lyon, New York.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.
Surpless, Dunn & Alder, N. Y.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg. Co., Boston, Mass.

Poultry Netting.
Gilbert & Bennett Mfg. Co, New York and Chicago

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Rakes.
Gibbs Mfg. Co., Canton, O.
Surpless, Dunn & Alder, N. Y.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Keil & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton, O.
Fostoria Steel Roofing Co., Fostoria, O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd, New York.
Surpless, Dunn & Alder, New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.
Surpless, Dunn & Alder, N. Y.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Shovels.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Charles Perkins, Bridgewater, Mass
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.

Snaps, Harness.
W. & E. T. Fitch Co. New Haven, Conn.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spring Hinges.
Francis Keil & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Step Ladders.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Tapes.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Telephones.
DeVeau & Co., New York.
W. P. Harrison & Co., Columbus, Ohio.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tobin Bronze.
Ansonia Brass & Copper Co., New York.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Tuck Mfg. Co., Brockton, Mass.
Charles Weiland, New York.

Torches.
Bridgeport Brass Co., Bridgeport, Conn., New York.

Traps.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trowels.
William Johnson, Newark, N. J.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
Ansonia Brass & Copper Co., New York.
Wilmot & Hobbs Mfg. Co., New Haven, Conn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.

Vises.
Athol Machine Co., Athol Mass.
Billings & Spencer Co., Hartford, Conn.
Prentiss Vise Co., New York.
Todd-Donigan Iron Co., Louisville, Ky.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.
Diether & Barrows, Fort Wayne, Ind.
Horton Mfg. Co., Fort Wayne, Ind.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
National Lead Co., New York.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Wire, Manufacturers.
Ansonia Brass & Copper Co., New York
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cutter.
Billings, Spencer & Co., Hartford Conn.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Novelty Wire Goods Co., New Haven, Conn.
A. J. Phillips Co., Fenton, Mich.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

Wrenches, Manufacturers.
Billings & Spencer Co., Hartford Conn.
Coes Wrench Co., Worcester Mass.
Gwinner Mfg. Co., Hamilton, O.
A. S. Henn & Co., New Haven Conn.
Surpless, Dunn & Alder, New York.
Tower & Lyon, New York.

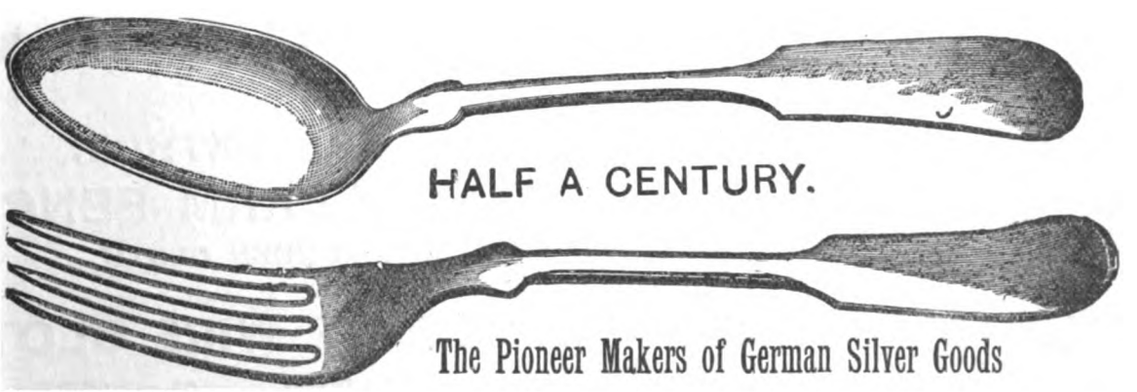
Wringers.
Colby Wringer Co., Montpelier, Vt.
National Wringer Co., Canton, O.
Peerless Mfg. Co., Cleveland, O.

Wrought Butts.
Reading Hardware Co., Reading, Pa.

Zinc.
Bruce & Cook, New York.

HALL & ELTON'S GERMAN SILVER.

1837.



1894.

HALL. ELTON & CO., - - - WALLINGFORD, CONN.

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HARDWARE BUYERS' DIRECTORY.

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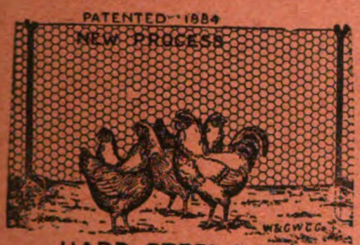
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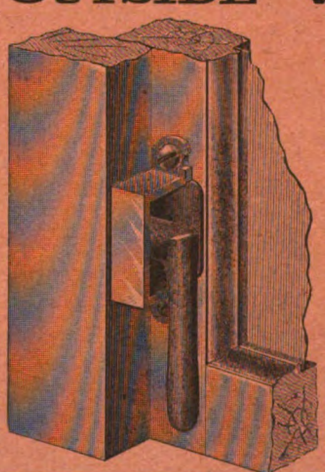
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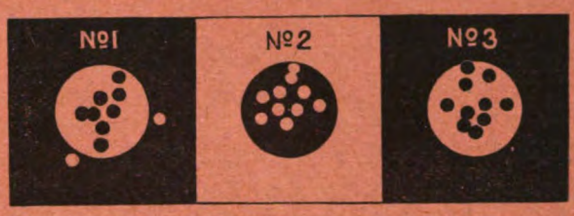
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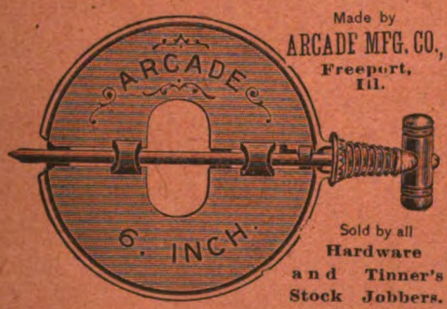
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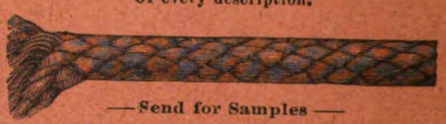


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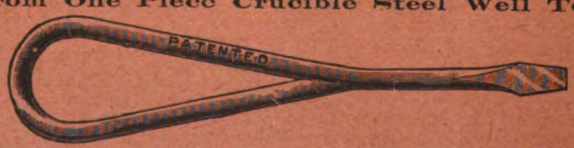
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Over 1500 Sizes and Styles for use in House, Farm and Factory.

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BEG TO ANNOUNCE THAT THEY HAVE PLACED ON THE

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HARD GRAIN SMOKELESS SCHULTZE GUN POWDER

Which has been specially regulated in strength and moisture for the American climate

In the manufacture of their **Hard Grain** powder they have embodied all the advantages that their long experience together with the latest modern improvements in powder making has shown to be **the very best.**

HARD GRAIN SMOKELESS SCHULTZE POWDER retains all the good qualities which have made **Smokeless Schultze Powder famous** all over the world, while its **hard flinty grain** and specially regulated moisture makes loading so easy that any amateur can now do so successfully.

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Hard Grain Smokeless Schultze is the most modern, the best of all smokeless powders, and excels any other Nitro powder in velocity, penetration, cleanliness, regularity and closeness of pattern.

Address all dealers, or the U.S. Agents

Von Lengerke & Detmold, 8 Murray St, New York.

1895

Columbia Bicycles, $100.
Hartford Bicycles, $80.
Wizards, $60, $50.

The above will unquestionably be the easiest line of bicycles to sell in 1895, and the dealer who has the exclusive Columbia agency for his vicinity will be fortunate. We invite correspondence with enterprising firms of good standing.

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Everything, when experience and reputation are behind it. So is it with a guarantee. Its value depends upon the reputation and standing of the guarantor. We guarantee our Rubber Belting in unqualified terms, and our guarantee is backed by experience and reputation. We hold this guarantee before the world, because our belting is made of first-class materials, our machinery is specially designed for the purpose, and our rigid system of inspection prevents goods that are defective, even in the slightest degree, from leaving our factory. "Warranted not to peel, open at seam nor separate between plies, and to be durable and serviceable." What's in a name? This:—

A BELT BY ANY OTHER NAME WON'T WEAR AS WELL.

Cleveland Rubber Works of the Mechanical Rubber Co. CLEVELAND, OHIO.

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MANUFACTURERS

ATLAS AND JUDSON POWDERS

AND

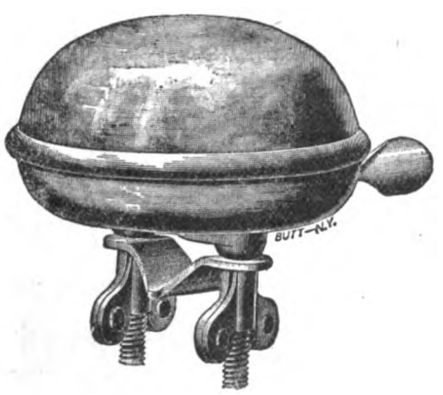
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(Patented Aug. 2, 1894.)

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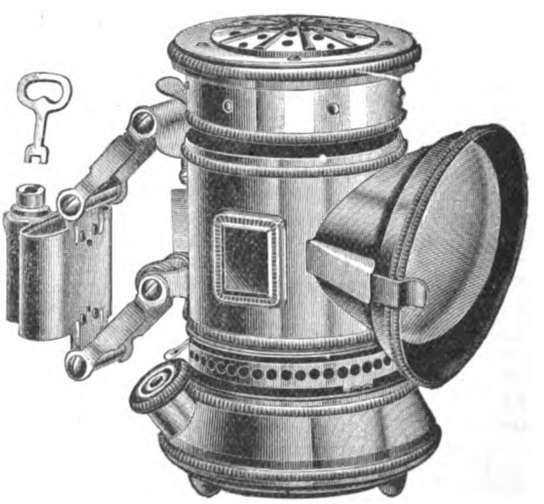
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Indispensable to all Dealers in Supplies.

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The only First-class Bicycle Lamp.

Burns Kerosene.

Will not go out.

Burns 10 hours.

Made entirely of Brass, Nickel-Plated.

Weight, 15 ounces.

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to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

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The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible



For 5/8 Inch Bolts.

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Cincinnati Branch, cor Seventh St and Freeman Ave., Cincinnati, O.

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We make Babbitt and Anti Friction Metals by standard formulas, and never vary the formula to fit the price. The result is that our Metals are always the same uniform high quality, and we hold our trade.

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HIGHEST AWARD

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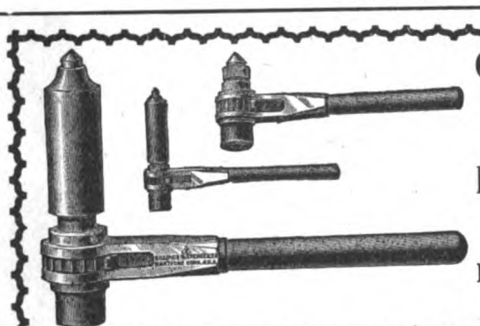
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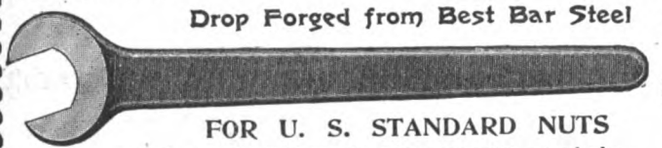
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DROP FORGINGS OF EVERY DESCRIPTION

STRAIGHT and ANGLE END **MACHINE WRENCHES**

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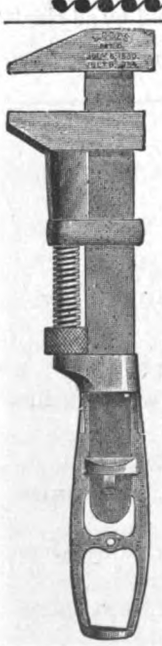
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Made with finished openings from 13-32 to 4 1-2 inches, to take U. S. Standard Nuts 3-16 to 2 3-4 in. inclusive.

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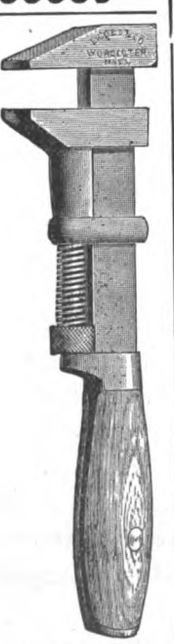
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Genuine Improved

KNIFE HANDLE

PATENT

Screw Wrenches.



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Established in 1839.

Registered March 31, 1874.

Patented July 6, 1880.

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Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

☞ Straight Bar, Extra Long Nut for Screw in Jaw. ☜

The BEST MADE and STRONGEST WRENCH in the MARKET.

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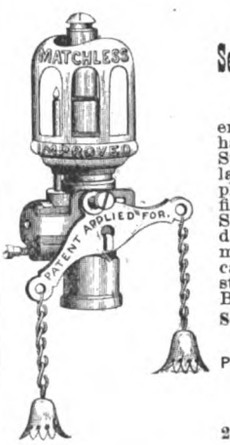


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This Burner is made entirely of Brass, with handsomely Nickeled Stationary Globe, Regulating Screw for gas supply, and is of superior finish and appearance. Simple in construction, durable and strongly made it contains all that can be desired for this style of Self-Lighting Gas Burner.

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is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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Manufacturers of all kinds of
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YOUR SKATES WILL NOT RUST IF YOU USE

PARAVASELINE.

It is a lubricant that will prevent all kinds of metals from rusting.
When You Come Home After Skating apply a light coat of PARAVASELINE to your skates and it will keep them in good condition.

ONE TUBE WILL LAST A YEAR

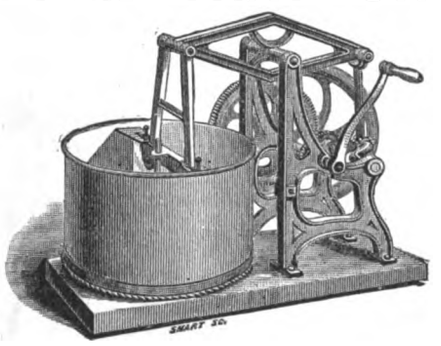
and will be mailed to any address on receipt of 15 cents or you can get them at all Hardware or skate stores.

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313½ BROADWAY - NEW YORK.

A CHOPPER THAT CHOPS IT.

DON'T GRIND IT.



DON'T TEAR IT TO PIECES.

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MANUFACTURERS OF
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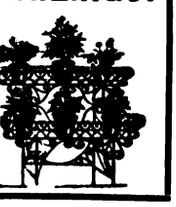
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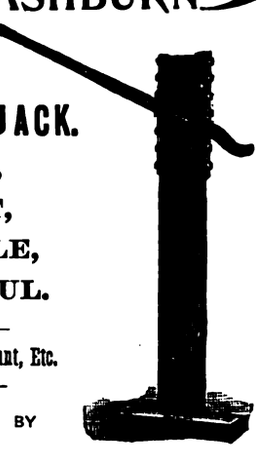
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SEND FOR CATALOGUE!
Write for Prices.
Mention This Paper.



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A
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WAGON JACK.
NEW,
LIGHT,
DURABLE,
POWERFUL.

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Hardware Specialties,
GENERAL BUYER AND BROKER.
Out of Town Business Solicited.
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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE**, will never corrode. Ask your dealer for our goods. Write for catalogue.
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Hickox Building. **Cleveland, O.**

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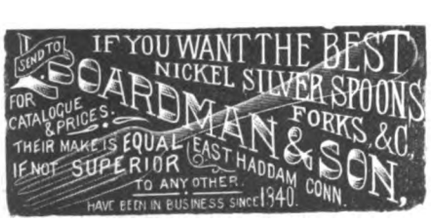


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New Catalogue
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Self-Retaining Elevators, Dumb Waiters and Hoists.

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WIRE GOODS.
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Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
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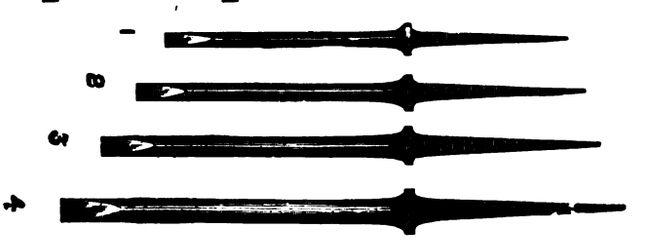


Large Profits in the Lawrence Paint Specialties.

Hardwaremen who do not now handle Paints are asked to write us for information how to make this department one of the most profitable.

W. W. LAWRENCE & CO., Pittsburgh.

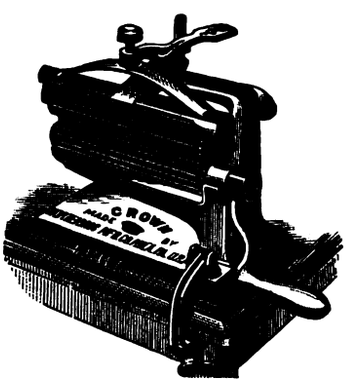
Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

SEASONABLE SPECIALTIES.



FLUTING MACHINES.
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NEW KEYSTONE BEATER.



U. S. DIAL SCALES.

A Household Scale without loose weights, and arranged to balance pan or dish in weighing. Useful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purchased, etc.

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Holmes & Edwards.
—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.
—Send for Folders.—
The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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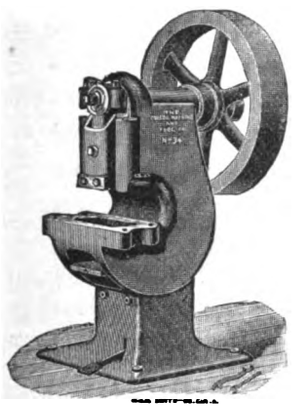
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Municipal and Railway Bonds. Orders for
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Solicited. Allow 3 per cent. interest on deposit accounts



The Toledo Machine & Tool Co.,
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Power Punches, Forging Presses,
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Embossing Presses, Automatic Feed Presses,
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Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



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MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
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Power Clippers, both hand & mechanical.
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Barbers Adjustable,
The best made.
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We make only the best.



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HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

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No Rivets!
Oval Bottom!
Half Oval Back!
Perfect Shape!
Best Quality Steel!
Extra Heavy Bottom!
Heaviest Hod Made!
Six thickness at joint of Body, Bottom and Foot!

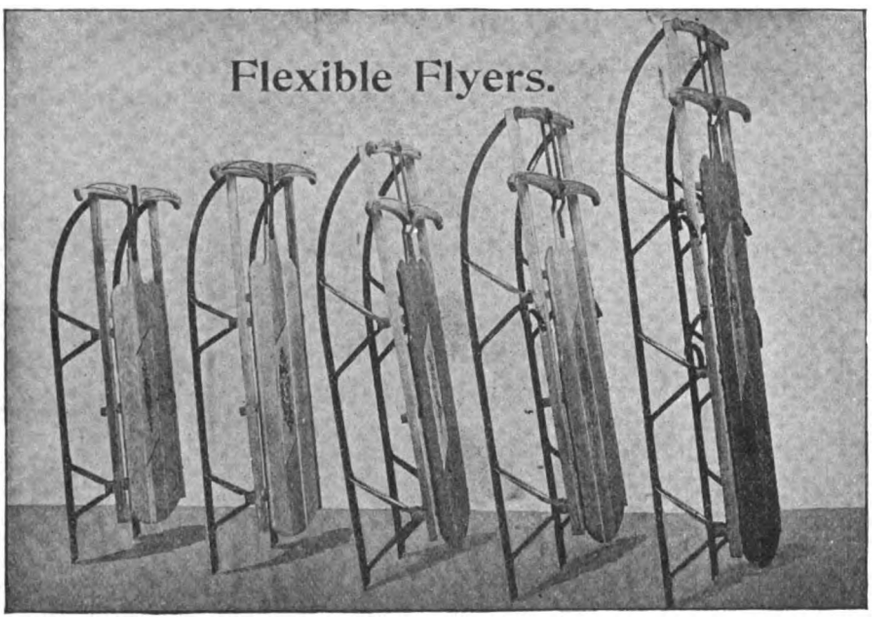


Write to us for prices on your Season's supply of "Coal Hods." There are 700,000 "Victors" now in use, all sold in the last four years. Give us your approximate requirements when writing for information or prices.

The Cincinnati Screw & Tap Co., - Cincinnati, O.

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A SLED THAT STEERS



Snow is beginning to fly and we want to tell you that **"Flexible Flyers"** are also flying to the Hardware trade all over the country. We want you to make a start with us this year, and if you have not already done so, get prices and samples at once. **"Flexible Flyers"** proved good sellers last year, and we shall make an increased retail demand for them this season by extensive advertising this month and next.

S. L. Allen & Co.,

(Mfrs. of the Celebrated "Planet Jr." Goods.)

Patentees and Manufacturers,

Philadelphia, Pa.

MERK CHRISTMAS TREE HOLDER!

PATENTED SEPTEMBER 1st, 1891.

BUY THE BEST!

Christmas Comes But Once a Year.



If you want to make your home pleasant and cheerful during the holidays BUY A MERK CHRISTMAS TREE HOLDER, made of iron, neatly finished in gold bronze, a great improvement over any heretofore made. By an ingenious contrivance the tree is held secure by strong arms which extend upward from the main body of the receptacle in which it is placed. If desired the tree can be revolved. Sample tree holders sent by express prepaid upon receipt of **$1.** Packed in quarter and half dozen crates for shipment. Manufactured and sold only by the **ALLENTOWN HARDWARE WORKS,** ALLENTOWN, PA.

☞ SOMETHING NEW. Hardware dealers and others are requested to write for descriptive circulars and wholesale prices.

TIME

WILL

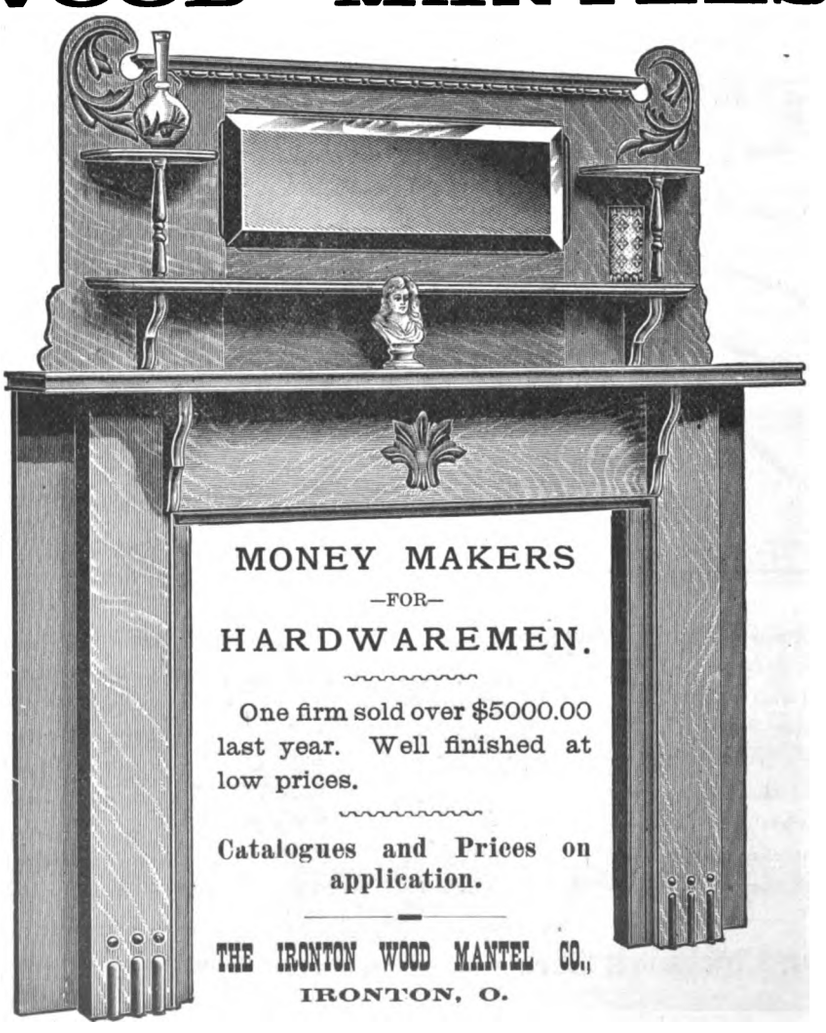
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

WOOD MANTELS.



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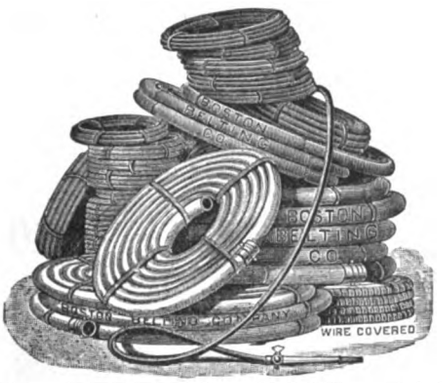
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



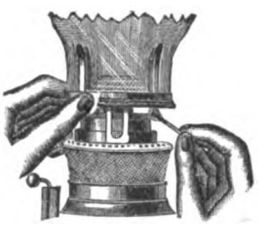
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

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26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa.
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind.
237 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
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The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

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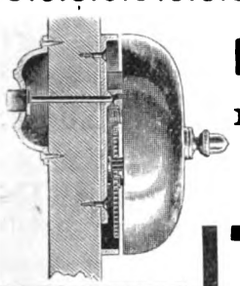
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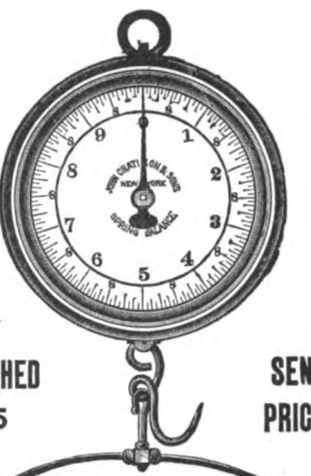
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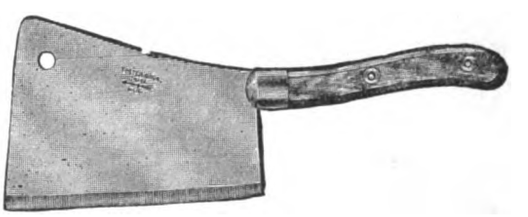
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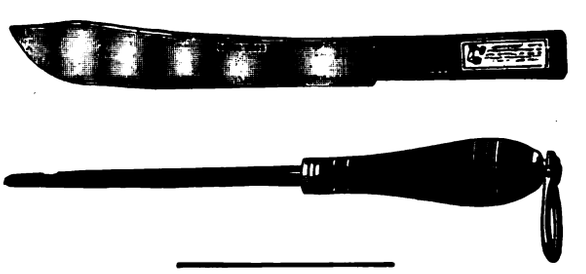
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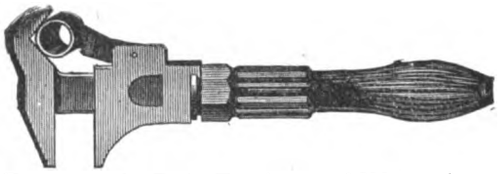


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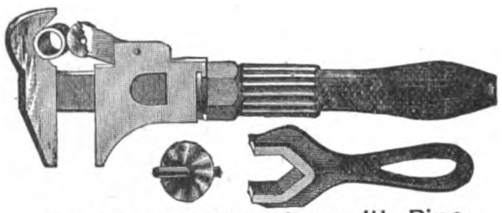
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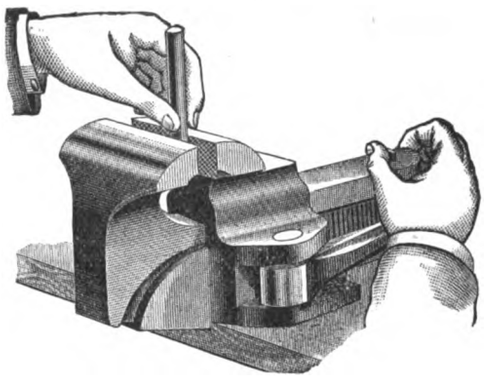


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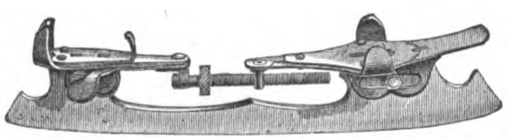
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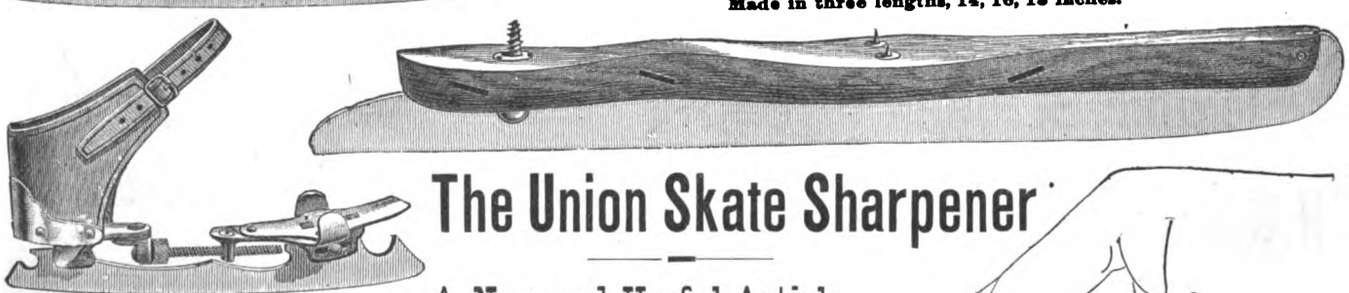


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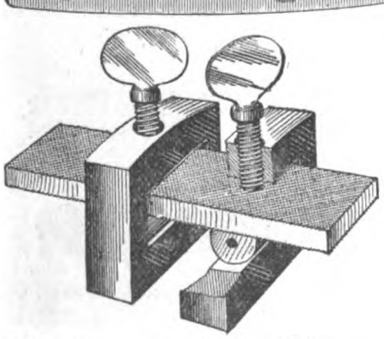
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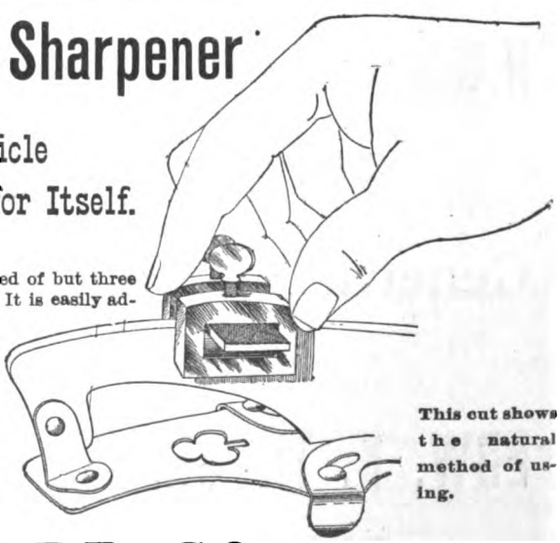
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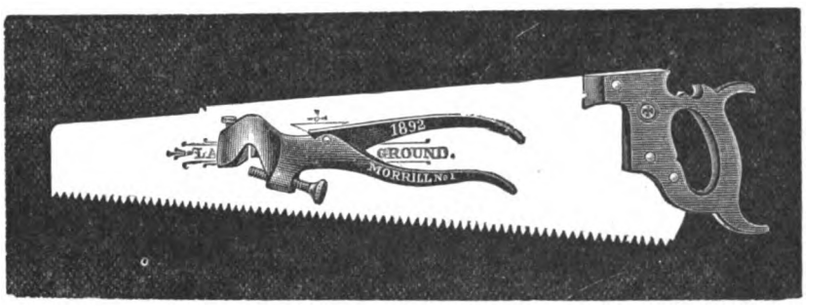
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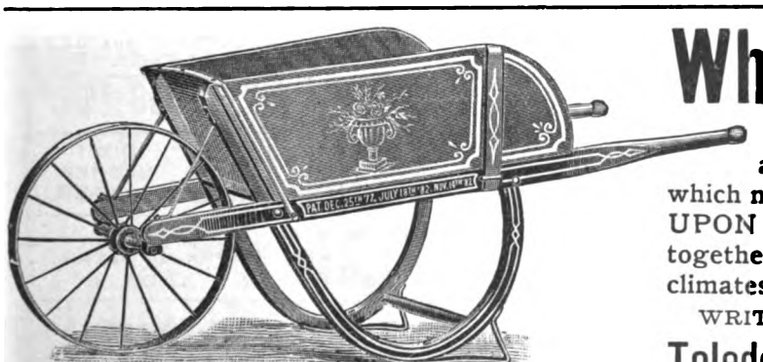
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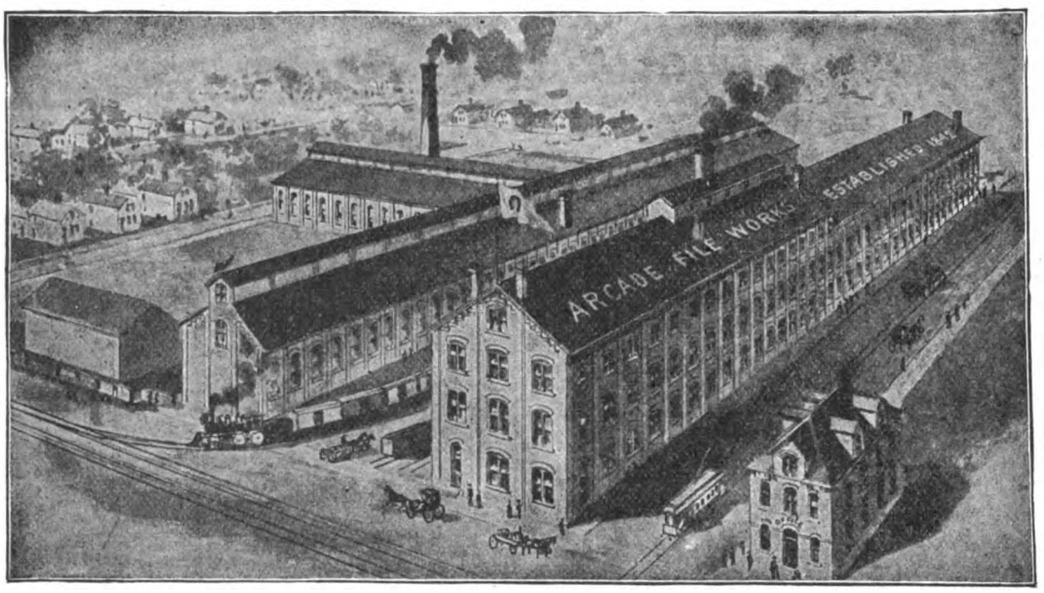
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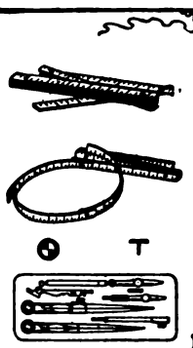
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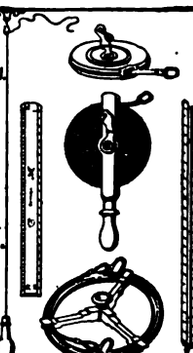
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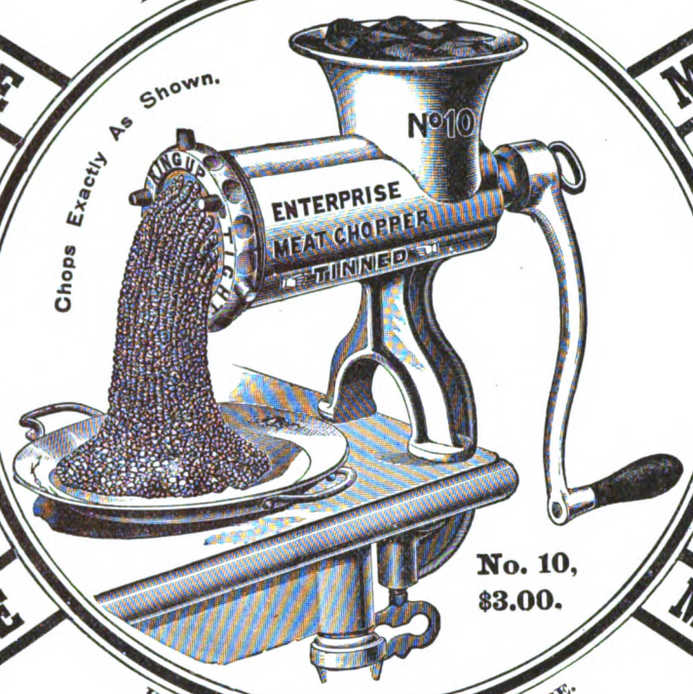
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Hard rubber, vulcanite, gutta percha, or any form of vulcanized rubber can be expeditiously and quickly turned up in a lathe, using a coarse mounted stone on the slide rest of the lathe, in the usual manner. A light chip must be taken, but the lathe can be run at a good speed, and thus a considerable amount of work can be accomplished in a day's time.

The Canals: Business Methods or Political Methods?

The people of the State of New York at the recent election showed their interest in and partiality for the State canals, by giving the canal amendment providing for their extensive improvement, an overwhelming majority. This was attained notwithstanding the fact that one of the leading political parties repudiated all the amendments. This intelligent discrimination by the people should be borne in mind by Governor-elect Morton and the party soon to be in control.

The canals lifted this city and State from a position of inferior importance in population, commerce, manufactures and wealth to that of first in the country. The canals are to-day of as much importance as ever before in retaining our preeminence; indeed they are essential to the preservation of our supremacy.

It requires but little investigation to ascertain that, without the canals, the railroads would be unable to hold the trade and commerce to New York, or sustain our manufacturing interests, which have made it what it is, and upon which it now thrives. Without the canals in summer, the preponderating volume of trade that is attracted to this city and through this State by the cheap transportation they afford, would be divided among the competing cities of Philadelphia, Baltimore, Newport News and Boston, as it is now divided during the winter months when our canals are closed.

Should this trade be so divided,—and without the canals, nothing could prevent such division,—our city would in that respect sink in importance in relation to her competitors more favored by cheaper railroad transportation.

This emphasizes the importance of placing our canals under a thorough business management, that would compare favorably with the methods of managing our great railroads—a purely business management as distinguished from that which has been too much in evidence of late, viz.: the political.

The office of Superintendent of Public Works is one of the most important in its relation to the greatest commercial factor within the State—the canals. It is a position that should be filled upon considerations of fitness only, and no man regarding whose personal qualifications there is the slightest doubt should be named. The commercial organizations of the State, and business interests, and especially those which for many years past have been known as the active friends of the canals, should be consulted before any man is named. Governor Morton will fail to give satisfaction to the great mass of the people of this State, if in consultation with one or more of the political leaders he shall decide upon a man to fill this important office. We do not wish to take the position of advising the Governor-elect, but, it seems to us that if he desires to find the best man he will place himself in communication with the commercial organizations, and especially with friends of the canal, the Canal Union, which represents all the commercial bodies, and after full hearing, decide this matter, and not until then.

This freight question is certainly one in which the Hardwareman has an interest.

The Bicycle Season Just at Hand.

It is hardly necessary to make an apology for the considerable bicycle information contained in this issue. It is at this season of the year that the bicycle manufacturers are making their announcements for the coming season, and as this line of goods has become a prominent and per-

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manent one in the Hardware trade, we feel it our duty, as an exponent of that trade, to lay before our readers such information bearing upon the prospects and prices of 1895 as may be possible. The manufacturers have been very prompt and courteous in extending us all the information which they were prepared to give the trade, and in this issue, and in those just preceding, we feel that the main portion of the field has been thoroughly covered. Other and later announcements, however, will appear from time to time. It is hardly necessary for us at this late date to make further argument to show the Hardwareman that it is to his advantage to secure a line of bicycles at as early a date as possible, and to identify himself with that trade before independent houses have taken possession of his legitimate territory. All that is necessary to prove the truth of this assertion, is to cite the example of hundreds of Hardwaremen in all parts of the country, who have proven the advantages to be derived from this line of trade. It is not necessary that the dealer should be located in a city, or even in the large country towns, to make sure of a steady sale in this line of goods.

A curious illustrative fact recently came into the possession of the writer of this. In a small country town, in an out-of-the-way corner of Ohio, he found sixty or more wheels in constant use, the greater portion of them having been purchased from a local Hardwareman in that vicinity. In addition to the first sale of the wheel itself, this dealer was constantly selling bicycle parts, lanterns, package carriers, wrenches, etc., and confessed that he had made more during the year from the sale of that line of goods, than from his entire old-time Hardware trade.

This fact speaks volumes, and is an argument to which there is no answer. It also illustrates in some faint degree, the hold the bicycles have taken upon the American public, and is a guarantee of its permanency. Multiply that little country town by the hundreds of thousands of such towns in the United States, and we have an answer to that recurring question, "Where do all the Bicycles go to?"

Elsewhere in this issue mention is made of the fact that preparations are already in hand for the Annual Dinner of the Hardware trade, which will be held some time in the early days of 1895. It will be remembered that the dinner of 1894 was very properly omitted because of the hard times which were then existing, and it should be now the ambition of the trade to make the present dinner so successful, that it will partake not only of the character of a general reunion of the trade, but also a feast of thanksgiving for the better times which are at hand, and which already are brightening the holiday season of the year.

S. L. Allen & Co., No. 1107 Market Street, Philadelphia, inform us that in order to accommodate their trade in Flexible Flyers, Flyer Sleighs, Flyer Coasters, between now and January 1st, they have arranged to carry stock for their own account in New York city and in Milwaukee, Wis. They would be glad to give the names of their correspondents in those cities to any parties who can use this stock to advantage.

Sargent & Co., New York, and New Haven, Conn., have issued a large and comprehensive catalogue of their line of Hardware supplies. It is copiously illustrated, and contains about everything that can be imagined possible under the name which the catalogue bears.

The Manchester, Va., spike works, which have been shut down for a year, resumed operation with a full force of hands on December 4th.

National Convention of Manufacturers.

Mention was made in a recent issue of HARDWARE of a movement set on foot for a national convention of manufacturers, the initial step of which was taken by the Manufacturers' Association of Cincinnati and Hamilton County, Ohio. In many cases it was found that the associations could not respond until after the annual meetings had been held, and accordingly it was decided to issue a second call, in which would be embodied the results so far obtained by the committee. In this second circular letter the following questions will be asked:

1. Do you favor the formation of a National Association of Manufacturers?

2. Will you be represented at the conference in Cincinnati, Ohio, January 22, 1895?

3. How many delegates will you send? If possible, will you name them?

The letter outlines the plans for the convention, assures the manufacturers that reduced fares are being actively negotiated for, and is accompanied with a list of firms, corporations and organizations that have expressed interest in the matter.

At a recent meeting of the board of directors of the National Board of Trade of Cycle Manufacturers, it was decided that at the annual national cycle show, to be held at Madison Square Garden, New York, in January, the spaces should be devoted exclusively to tne manufacturers of bicycles, and bicycle accessories and sundries; that no space should be sold for exhibition purposes, or any signs or decorations allowed upon them. The management will furnish an official programme, which will contain a list of exhibitors and the numbers of spaces occupied by them, and this will be distributed gratis, and no advertisement will appear thereon. The resignation of H. A. Lozier, of the executive committee, was accepted, and Joseph McKee, of McKee & Harrington, was elected to the vacancy. The programme for the first annual convention of the national board, which is to be held in the concert hall of the Madison Square Garden in January, 1895, has been arranged as follows: Convention to be called to order Tuesday, January 22nd. Wednesday, January 23rd, reports of committees. Thursday, January 24th, general business; election of officers for ensuing year. Friday, January 25th, installation of officers, and unfinished business.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York City, have perfected what is described as "one of the most remarkable Rotary Brushing Machines ever invented," and will be ready to place the same on the market on January 1, 1895. They will also have a new Rotary Horse Clipping Knife, which they believe "will clip more closely and rapidly than any other heretofore made." Parties desiring anything in this line will receive full particulars on making application to the above named company.

Elsewhere in this issue the Ulrich Mfg. Co., Rock Falls, Ill., call attention to their well known Osborne Hand Cultivator, an article which they are sure will attract instant and constant sale if shown in the various stores of the Hardware trade. The success which has attended this farming tool, is a guarantee that there is a field for it, and the company above named would be pleased to give particulars and prices, etc., to those who may be interested.

The Ansonia Brass & Copper Co., Ansonia, Conn., are making extensive improvements in their brass mill. The several small buildings which have been erected from time to time as room was needed, are to be enclosed in a substantial iron and brick structure, and when the latter is completed, the small buildings will be torn down, thus making one great plant. Larger engines will replace the two now used to furnish them with power.

Jacob W. Voorhis, doing business as J. W. Voorhis & Co., Hardware dealer, No. 26 Warren Street, New York, has assigned to Bernhard Ginsberg.

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Hardware Club Notes.

At a meeting of the Board of Governors, of the New York Hardware Club, on December 3d, the following gentlemen were unanimously elected to membership in the Club:

Thomas H. Cochran, No. 156 Sand Street, Brooklyn.

William T. Norton, First Vice-President American Axe & Tool Co., No. 253 Broadway.

Charlas William Mackey, President American Axe & Tool Co., No. 253 Broadway.

Frank J. Oliver, Oliver Bros.; No. 118 Chambers Street.

Oliver A. Marsh, No. 3 Park Place.

John A. Hill, editor *Locomotive Engineering*, No. 256 Broadway.

G. W. Blanchard, Chicago, Ill.

Clarence H. Mackey, No. 253 Broadway.

L. C. Dessar, No. 261 Broadway.

Robert N. Brundage, No. 27 Park Row.

Edward Stagg, Patterson Bros.; No. 27 Park Row.

Theodore Smith, New Britain, Conn.

Frederick Haviland, No. 29 Barclay Street.

Frederick T. Browning, American Wringer Co.; No. 99 Chambers Street.

Carl T. W. Bawo, No. 30 Barclay Street.

F. H. Bawo, No. 30 Barclay Street.

F. J. Root, president New York Wire Cloth Co., No. 102 Chambers Street.

W. C. Beecher, No. 237 Broadway.

Daniel F. Cahalan, No. 271 Broadway.

Gustave Vantschager, No. 87 North Moore Street.

This makes a total of 519 members of the Club, all of, whom with the exception of some 75, are resident members.

At a meeting of the Board of Governors of the New York Hardware Club, on December 3d, Thos. F. Keating gave the following notice, which was placed upon the record, and ordered posted upon the bulletin board:

To the Secretary: I hereby give notice that at the next annual meeting I will move that the admission for resident members be raised to $100, instead of $50, as now existing.

THOS. F. KEATING.

December 3, 1894.

William H. Williams, President of the Hardware Club, was recently honored with an invitation to the famous dinner given by the Home Market Club, of Boston, Mass., to the Hon. Thos. B. Reed and others. Mr. Williams, who is a staunch Republican, was compelled, greatly to his regret, to decline the invitation, because of his business engagements.

The Annual Hardware Dinner of 1895 is well under way, and at a recent meeting of the Board of Governors of the Hardware Club, a committee consisting of the following gentlemen were appointed to take charge of all the arrangements connected therewith:

A. D. Clinch, Chairman.

Eugene Bissell, E. C. Van Glahn, J. L. Varick, Sub-Committee on Menu, Rooms, etc.

Brace Hayden, R. R. Williams, J. H. Kennedy, W. R. Walkley, Sub-Committee on Speakers and Toasts.

Peter McCartee, Sub-Committee on Reception.

Mr. McCartee is empowered by the president to add to his numbers, but being a host himself, it will doubtless not be necsary.

The Uses of Aluminum.

EDITOR HARDWARE: There has been so much said and written about aluminum recently, that one would think the subject well-nigh exhausted; yet, perhaps, from a manufacturing standpoint no metal just now deserves more notice than it, especially when we take into account the fact that it ranks first among metals in quantity and extent of distribution, one-twelfth of the earth's crust being composed thereof. It is tenacious, malleable, ductile, and does not readily oxidize. It is certainly worthy of attention, when we take into consideration the diverse, as well as the diametrically opposite, ways into which it can be manufactured. Like iron, it can be made into many useful cooking utensils, such as coffee pots, saucepans, dishpans and a number of others of a similar nature. Things of this character made from aluminum have many advantages, some of which are that the metal is entirely free from poison; the food cooks quickly without burning, and the utensils are very light, aluminum being nearly three times lighter than iron and three and a half times lighter than copper. There are a few things that attack it, but which are not met with in cooking; caustic alkalies consume aluminum rapidly, muriatic acid slowly, and nitric acid only at a high temperature. The Hardware merchant not only keeps the above ware, but can sell you hinges, bells, keys, locks, bolts and many things in the electrical line.

Then again, like gold and silver, it is worked into many things that are ornamental, for at any jeweler's can be seen napkin-rings, watch-chains, match-safes, stick-pins, hair-pins, toothpicks, lockets with stones set in them, and a hundred and one other trinkets, too numerous to mention. The optician uses it in many ways, especially in the making of opera-glasses, and even the painter has a powder which, when mixed, gives a silver-like lustre.

Owing to its lightness, the dentist uses it to take the place of gold in making the plates for artificial teeth and in the capping of teeth. One of the finest alloys is aluminum bronze, which has the color of gold and is capable of taking a high polish; it has the tenacity of steel, and from which very fine castings can be made, and is composed of ninety per cent. copper and ten per cent. aluminum. Many military accoutrements are made from it, owing to lightness and strength. So it can be readily seen that while, at the present time, aluminum is used by such businesses as are not closely connected, yet as its production is gradually being diminished in the way of cost, so its benefits are being just so gradually recognized by others who, but a short time before, could see no good in aluminum from a commercial basis.

W. A. M.

Newark, N. J., December 4, 1894.

The Bell Eave Trough Hanger.

John W. Bell & Co., Mercer, Pa., have met with no small degree of success in the introduction of the Bell Eave Trough Hanger, for use on wooden roofs. This Hanger was patented in 1885, and is made of one piece of heavy galvanized wire, which the makers say will not corrode, nor permit the trough to rust. This Hanger can be put on the trough and fastened while on the ground, and when the trough is elevated to its place, the Hanger can be bent and adjusted to the pitch of the roof, so as to give the trough the proper fall. They further explain that the Hanger forms a complete brace and support to the trough and holds it in shape as well as in place. The makers would be pleased to send a description in detail, with prices, etc., to anyone who may be interested. They also manufacture a line of Staple Hooks, made of a superior quality of steel wire, and "warranted to drive into any material into which a wire spike can be driven."

The New Jersey Car Spring & Rubber Co., Jersey City, N. J. are making a new line of Garden Hose which, while "a new method" of Garden Hose, is not in any sense an experiment, as they have used the same quality of duck and the same style of construction in their fire hose, with excellent results. They call this "New Method," and make it in four and five-ply, and of a special high grade of duck, warranted to stand five hundred pounds pressure. They claim that it is "excellent in material, perfect in construction, correct in principle, phenomenal in strength and reasonable in price." They would be pleased to have dealers write for samples and prices, and also state that they have now ready a full line of samples of first-class goods for 1895.

The John H. Thomas Mfg. Co., Piqua, Ohio, have issued a little leaflet illustrating and describing the Thomas Automatic Weather Strip, the success of which has certainly demonstrated that it must be a first-class article, and that there is a field in the trade for the same.

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Bicycles For 1895.—III.

WHAT THE MAKERS SAY AS TO OUTPUT, IMPROVEMENTS AND PRICES.

A VARIETY OF ANNOUNCEMENTS, OPINIONS AND CHANGES.—INFORMATION OF VALUE TO THE HARDWARE TRADE.

Julius Andrae, Milwaukee, Wis.: We beg to submit to your notice the following announcement in regard to our 1895 line of models, in answer to your inquiry of a late date:

Light Roadster Safety, fitted regular with 1⅛ M. & W. tires and wood rims; weight complete, 24 pounds. Price, $100.

Andrae Road Racer, fitted with 1¼ M. & W. tires and wood rims; weight complete, 21½ pounds. Price, $100.

Lady Andrae, fitted with 1¼ inch M. & W. tires and wood rims; weight complete, 22 pounds. Price, $100.

The Andrae Racer, fitted with 1¼ inch M. & W. tires and wood rims; weight complete, 18 pounds. Price, $100.

All diamond frame machines will be furnished in three sizes, 21, 23 and 25 inch. Drop frames will be furnished in two sizes, 19 and 23 inch.

The prospects for the coming season in this line are decidedly encouraging, and we expect to double our output. The same correct lines which have distinguished our wheels heretofore, will be found in our 1895 models, but of a more improved and up-to-date pattern. There will always be riders who demand the best, and it is this trade for which we are striving.

In addition to the "Andrae" Cycles, we will introduce our "Sunbeam" line, which will consist of the following thoroughly reliable medium grade wheels:

No. 19 and 20	28	inch	Diamond	and	Drop	frame	.....	$75.00
" 17 " 18	28	"	"	"	"	"	.....	60.00
" 11 " 12	28	"	"	"	"	"	.....	50.00
" 13 " 14	24	"	"	"	"	"	.....	40.00

We shall also continue the manufacture of our Sunbeam Chain Lubricant, which has gained for itself such a wide reputation. We are anxious to have dealers list this in their catalogue, and electrotypes will be mailed free on application. We shall exhibit at the National Cycle Show at Chicago, and will be pleased to have our line inspected.

THE "WAVERLEY" AND 1895.

Indiana Bicycle Co., Indianapolis, Ind.: "Our prices for 1895 are $85 for the gentleman's Scorcher, fitted with wood rims, 22 pounds, or steel rims and G. & J. tires, 25 pounds, and for the lady's machine, same choice of tires and weights, $75. We are making calculations to build 25,000 machines for the 1895 trade, about one-third of which are ready to be assembled at the present time. We shall continue the same policy of selling direct to the retailer, giving exclusive territory and protecting our agents against the cutting of prices. We enclose herewith Waverly Greeting, which will appear in our 1895 catalogue."

The following extracts are from the "Greeting" above referred to: "Ever since the manufacture of bicycles began in America, there has been a continual demand for a strictly high grade machine at prices not to exceed two-thirds of that asked by the high grade makers already in the field, and when we undertook, two years ago, to furnish a wheel to supply this popular demand, our goods were, at first, looked upon with some suspicion. Riders and dealers alike said, 'Why, how is it possible for you to give us this thing while the old makers claim they cannot do it?' Dealers by the hundred wrote in and complimented us on the elegant appearance of the Waverley, 'but, said they, 'we are afraid it is too good to be true.' Time, however, has erased the last signs of suspicion from their minds. The Waverley has gone through the seasons of 1893 and 1894 leaving a proud and honorable record. We believe from what our agents tell us, who handle all of the other makes as well as ours, that there has been less breakage or trouble reported from the use of the Waverley than from any other high grade machine sold in America. We have continually received letters of praise from our agents, in which they stated that although our wheel was listed and sold at from $40 to $65 below those of other high grade makers, they gave far better satisfaction and caused much less trouble than any line they ever handled, regardless of price. The name 'Waverley' has become a synonym of the term 'high grade.' Every wheelman has a good word for it, because they respect our efforts to supply a machine of such superior grade at the greatly reduced price, while every manufacturer calmly takes his hat off and acknowledges the merits of the Waverley by reducing his own list prices to within a reasonable distance of ours. They cannot meet us and maintain as high a standard because of our unusual facilities for the production of strictly high grade machines."

THE WARWICK WHEELS.

Warwick Cycle Mfg. Co., Springfield, Mass.: "We are pleased to state that our policy for the season of 1895 is in accord with the prevailing demand for lower prices. We only need to remind you that the entire product of the Warwick factory is high grade in every particular, and to give absolute assurance that this high standard of quality will be rigidly maintained in every future model. In consequence of the largely increased demand for Warwick Cycles, and the resulting decreased expense of marketing the same, we deem it only just and in accord with good business policy to give the public the advantage of lower prices. In this connection we beg to state that our 1895 models are of entirely new design, and that the prices announced in this letter apply exclusively to these models, and will go into effect January 1, 1895, at which time the wheels will be ready for delivery. Our 1894 product has been disposed of, and we have no wheels to offer at the new prices until the latest models shall be ready for the market.

"We give below a brief outline of models, weights and priees:

Model 21	Roadster, High	frame,	28	inch	wheels,	20	pounds...	$100 00
" 22	Ladies', Drop	"	28	"	"	23	" ...	100.00
" 23	Roadster, Low	"	28	"	"	20	" ...	100 00
" 24	Ladies', Diamond	"	28	"	"	20	" ...	100.00
" 25	Roadster,		28	"	"	25	" ...	80.00
" 26	Ladies', Drop	"	28	"	"	27	" ...	80.00
" 27	Racer,	26 or 28	"	"	"	17	" ...	125.00

"We shall soon publish fuller descriptions of the new models, and our 1895 catalogue will be issued at an early date."

THE MARION CYCLE CO.

Marion Cycle Co., Marion, Ind.: "Your favor of the 27th received. Our lines for next year will comprise our Halladay-Temple Scorcher line, in weights from 18 pounds to 24 pounds, in both lady's and gentleman's in three heights of frames; also a medium grade machine for gentlemen only. Our H. T, S. line will list at $100 and $125; $125 being for extremely light wheels. Our medium machine grade will list at $85."

W. W. Pryor & Co.'s New Connection.

W. W. Pryor & Co., No. 81 Chambers Street, New York, have completed arrangements with J. Stortz & Son, Philadelphia, Pa., as sole agents for their line of goods in the East, and will carry stock in New York city, to supply immediate demands from the trade. Stortz & Son manufacture lines of tools for mechanics, plumbers, tinsmiths, painters, weavers, cigarmakers, butchers, upholsterers and masons, besides many Hardware and house-furnishing specialties, including oyster, bread, cheese, farrier and butcher knives, box hooks, and scrapers, calking irons, mallets, and many articles used by ship chandlers. Samples can be seen and the trade supplied at the New York office.

The W. J. Healey Hardware Co., dealers in shelf and heavy Hardware, etc., Mitchell, S. D., announce under date of November 20th: "We are about to commence wholesaling Hardware, and invite the correspondence of manufacturers of shelf and heavy Hardware, iron and wood stock, wood and iron pumps, rope and cordage, ammunition, sporting goods, etc., who desire to enter into profitable trade connections in this State. Mitchell is one of the best railroad centres of the State and we anticipate a large business." W. J. Healey Hardware Co., successors to Booth Bros.

The Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, are sending their friends a finely illustrated circular which shows in detail their well-known line of goods. Prices, etc., are given.

The Warwood Tool Works, Wheeling, W. Va., have been moving within the past two weeks from their late location to their new works, Twenty-ninth and Chapline Streets.

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Porter to Partnership.—II.

THE PROGRESS OF A CLERK WHO WAS NOT AFRAID OF WORK.

I began my second year with my employer feeling well towards me, but with the envy of the older clerk against me. Harry had been two years longer with Mr. Ely than I had, and had always been the favorite, but he thought he saw in me a rival, and he began to show his ill will against me in numberless little ways. When I first came to the store Mr. Ely had said that I was to obey Harry, and he consequently had the power to annoy me as much as he wished. Of course I understood that we were in a great measure in competition for the same end, and it was impossible that two ambitious boys could be anything else. We both had our ways to make in life, and we both saw that the first step was to win favor with Mr. Ely.

In every store where there are two or more clerks, it is inevitable that there should be some clashing among them, but the moment one turns from his legitimate work to try to damage a competing clerk, just that moment he begins to fall out of the race.

I determined to have no quarrels and make no complaints, but I was bound to go on my own way and trust to faith for the end. I was anxious to learn bookkeeping, but Harry kept me away from the books as much as he could. Just as sure as I went to the desk he called me to do something in the store. But where there is a will there is a way. One day there was but little doing in the store, and Mr. Ely was doing nothing, so I went up to him and asked if he was willing that I should look over the books so as to learn bookkeeping. He said he was not only willing but glad to have me, and if I wanted any help he would give it to me.

The lesson he gave me that day is still fresh in my mind, and I have used it a great many times with my own clerks.

Turning to a book on the desk, he said: "This, Mark, is my day-book—in it are recorded the transactions of each day, just as they happened; you see here is the bill sold Mrs. Smith, there is the one sold Brown, and so on; this is the most important book in the store. If I should sue a customer this would be the book to take to court; this is what is called the original entry. All the other books are copied from this, and hence are liable to mistakes being made, but here is the entry made while the transaction is fresh, and to the correctness of this men are usually willing to swear. Now if there was no other book but this it would make it a tedious task to gather together a man's bills, supposing he had a long account; you would have to begin at the beginning of the book and scan each page closely to find every item against him, and you would have to go through this work every time you wanted to see how much his account was. So we have ledgers—here is mine. I take a page and head it John Smith, say; then I look through the day-book from the beginning, and whenever I find a bill against Smith I write the amount here—'posting' we call it—until I have all the bills against him on this page here. Then if he wants to pay, or I want to see how much he owes me, I have only to turn to this page and foot up the bills. These two books are all that are absolutely necessary to carry on business, but no merchant feels like taking in and paying out money without having a special cash account; this may be in the ledger or in a separate book; here is my cash book; on one page is the cash we get in, on the other the cash paid out; footing up these two pages and subtracting one from the other shows the amount of cash on hand. If I didn't have this cash book when anyone paid me I would have to credit him the amount on the day-book, but instead of that I credit it here and then post direct from the cash book to the ledger. In keeping books by single entry as I do these three are all I need; they show me what I buy and sell, how much I owe and what is due to me, and this is all I want of books. There is no secret about them, and I advise you to get the run of them early."

I needed no second urging; I sat down to the books and studied them and followed the entries and postings until I got the hang of it. Those of us who are old at the business and who handle a set of double entry books as easily as we recite the multiplication table have forgotten how much of glory there is to a boy in mastering so simple a thing as single entry bookkeeping, but it is one of the many steps made between boyhood and business.

Soon after this I gained another step in life. One morning, in sweeping out the store, I found a twenty-dollar bill under the stool before the dress goods counter. My first move was to call out to Harry, but he wasn't down yet. I put it in my pocket and went on sweeping. No sooner was it snugly in my pocket than something began to tempt me to keep it and say nothing; whoever had lost it would not know whether they had lost it in our store or not, and of course if I said I had not found such a bill they would go looking elsewhere for it. I wanted some new clothes the worst way; three or four of my cronies had lately come out in new suits and I wanted to look as well as they did, but mother had need of the money and could not get me any clothes just then, and there was a book just out I especially wanted to get, for I was a lover of books, but no means of gratifying my taste; I could see a score of ways where I could spend the twenty dollars to advantage and no one be any the wiser. But there was another side. Would it be right? Just then Mr. Ely came in and without waiting a moment I pulled the bill out of my pocket and gave it to him, telling him where I had found it. I was happier the moment it was out of my hands.

"We will hear from it," said he, and it was not long till Mrs. May came in and claimed it. Mr. May was the leading lawyer of the town and a brother-in-law of Mrs. Ely's. Mr. May was very gracious to me and offered me two dollars, which, however, I refused to accept. Somehow I fancied after the wicked thoughts the money put in my head I would be punishing myself properly not to accept any reward. But a few days afterwards Mr. May left a package in the store for me, and in that were two volumes giving the autobiography of Benjamin Franklin, and a note to me saying Mr. Ely had said I was fond of books and that he and Mrs. May would be glad if I used his library freely. There may be boys who read this that think this latter offer was not of much consequence, but I did not think so. I was anxious to educate myself and delighted to read, and I look back to that library as being one of the important stepping stones in my life.

A Straw Stove.

Information comes from the far West that much suffering from cold may be averted by the knowledge of how to construct such a stove as is used largely in Dakota. The stove saves the purchasing of fuel, and can be used in any district where straw or hay is plentiful. The device can be made by any tinsmith. A drum is constructed of sheet or stove-pipe iron, two feet in diameter and four feet, or more, high. This is placed on a stand, which may be roughly and inexpensively made, with a top of sheet iron, rimmed to hold the drum in place. The legs are of hoop iron riveted. The top of the stove is cone-shaped, sliding into the stove-pipe just tightly enough to insure the carrying away of the smoke, and yet to enable the drum to be removed for the purpose of emptying and replenishing. The draught is a hole at the lower part of the drum, with a sliding door by which the draught can be regulated. The drum should be filled with straw, hay or any material of like nature, and the fire is started at the top. One filling will last about six hours. The introduction of this stove into Dakota is said to have been a veritable godsend, and it is so cheaply and easily made that there is nothing to prevent its use in many districts throughout the country where the price of coal is too high for slender purses.

Information comes from Pittsburg, Pa., that the Pittsburg Reduction Co. will begin making aluminum for the market in their new plant on or about January 1st. The company have been steadily at work fitting up huge buildings with the necessary machinery, including a great crane of ten tons capacity and a fifty foot span, which will be operated by hand and can be worked remarkably easy. There are six electrical transformers, which will be placed in their own transformer building for the purpose of reducing the current of electricity to the proper voltage, to accomplish the work it is intended for

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The Chicago Cycle Exhibition.

The Cycle Exhibition to be held in Chicago in January, 7th to 12th, 1895, is a matter in which the readers of this paper should take an active interest. There are a great many firms in the Hardware business who have taken up the bicycle business as a side issue, and have found it very profitable. Bicycle makers have come to recognize the Hardwaremen as among their best customers. The bicycle business, however, is one into which it will not do to plunge blindly, and the man who contemplates adding bicycles as a side line, will do well to thoroughly investigate the subject before making a definite move. This investigation can be made nowhere so well as at a Cycle Show, where every make of bicycle is on exhibition, as well as the different tires and accessories that are necessary in the business.

This Cycle Show is being held under the auspices of the leading papers of the country, who are running it for the trade. This insures the visitors and exhibitors alike the best of treatment. Reduced railroad rates have been secured from all parts of the country; a fare and one-third for the round trip is to be had at any time during the show. Reduced hotel rates have been secured at all the prominent hotels, both American and European, and free admission will be given to all who are interested in the trade or who intend to become interested. The morning sessions are reserved exclusively for those who desire to investigate the exhibits, with a view to possible purchase.

Bicycles, Tires, Accessories and parts will each be grouped as separate exhibits. The names of the following well-known firms who will exhibit are a guarantee of the success which the show will have:

Rouse, Hazard & Co.
St. L. R. & W. G. Co.
Marion Cycle Co.
Columbus Bicycle Co.
Grand Rapids Bicycle Co.
Lamb Mfg. Co.
Geo. N. Pierce & Co.
Buffalo Tricycle Co.
Warman & Schub.
Ames & Frost.
Julius Andrae.
Waltham Mfg. Co.
Black Mfg. Co.
Ariel Cycle Mfg. Co.
Ide & Co.
Gormully & Jeffery Mfg. Co.
Overman Wheel Co.
Marble Cycle Co.
Yost Mfg. Co.
E. C. Stearns & Co,
National Sewing Machine Co.
Kenwood Mfg. Co.
Union Cycle Mfg. Co.
Monarch Cycle Co.
Remington Arms Co.
W. H. Wilhelm & Co.
Syracuse Cycle Co.
Parkhurst & Wilkinson.
R. B. McMullen & Co.
Griswold & Co.
Cleveland Machine Screw Co.
Spaulding Machine Screw Co.
New Departure Bell Co.
Indianapolis Rubber Co.
Tillinghast Mfg. Co.
Elastic Tip Co.
Morgan & Wright.
Diamond Rubber Co.
L. C. Smith Tire Co.
New York Tire Co.
Simonds Rolling Machine Co.
Cullman Wheel Co.
A. U. Betts & Co.
Capitol Mfg. Co.
Cushman & Denison.
Densmore-Yost Co.
Western Wheel Works.
H. A. Lozier & Co.
March-Davis Cycle Co.
Fulton Machine Works.
James Bridger.
National Cycle Mfg. Co.
Lovell Arms Co.
Rochester Cycle Co.
Meteor Cycle Co.
Eclipse Bicycle Co.
Relay Mfg. Co.
Hibbard, Spencer, Bartlett & Co.
Two-Speed Bicycle Co.
E. B. Preston & Co.
Central Cycle Mfg. Co.
Shapleigh Hardware Co.
Eagle Bicycle Mfg. Co.
Featherstone & Co.
Derby Cycle Co.
Pope Mfg. Co.
Warwick Cycle Co.
Stover Bicycle Co.
Hill Cycle Co.
Indiana Bicycle Co.
Peerless Mfg. Co.
Munger Cycle Co.
Sterling Cycle Co.
Chicago Tip & Tire Co.
Hill Machine Co.
Braddock Hose Supporter Co.
Newton Rubber Works.
E. J. Lobdell.
Bridgeport Gun Implement Co.
Weston & Co.
Boston Woven Hose Co.
Eastern Rubber Co.
Columbia Rubber Works.
American Dunlop Tire Co.
New York Belting & Packing Co.
Niagara Cycle Fittings Co.
Reed & Curtis.
C. J. Whipple.
Rockford Tool & Sundry Co.
Geneva Cycle Co.
Elmore Mfg. Co.
Thorsen & Cassady Co.
Fox Machine Co.
Bartlett Pneumatic Saddle Co.
L. M. Devore & Co.
Acme Mfg. Co.
J. W. Gleaves & Sons.
Hopcraft & Co.
International Mfg. Co.
Keating Wheel Co.
W. S. Frazier & Co.
League Cycle Co.
Queen City Cycle Co.
Kalamazoo Cycle Co.
John Caldwell.
Chas. Truman & Co.
Norderer Bros.
W. W. Stall.
Louis Rosenfeldt & Co.
Morse Spring Co.
W. W. Mooney & Sons.
Sieg & Walpole Mfg. Co.
Peerless Hose Supporter Co.
Palmer Cycle Co.
Pittsburg Tire Protector Co.
H. M. Rosenblatt & Co.
Indiana Novelty Co.
Barnes Tool Co.

The show will be held in the armories of Battery D and Second Regiment on Michigan Avenue, opposite Monroe Street, in the very heart of the business district of Chicago. General admission is fifty cents.

Further particulars may be had by addressing the Secretary of the National Cycle Exhibition Co., at the Caxton Building, Chicago.

Leather Belts.

"No one using leather belts can afford to be indifferent to their care. There is a certain amount of elasticity in all good leather belting, but time and continued hard work seem to destroy or at least weaken its power. Then comes the question whether it is better to simply tighten the belt or use some form of dressing. Experience of many very practical observers seems to favor the use of a good dressing, as tightening the belt strains it and calls for more engine power. A dynamo engineer who is transmitting 60-65 H. P. with a 50 foot link belt 8 inches wide, running from a 72 inch pulley on driving shaft to a 13 inch pulley on dynamo, claims the freedom from jumping and flickering of the lights is due entirely to the belt dressing used and that tightening never helped. The superintendent of a large printing establishment has an 18 inch main belt now running its eighth year which has never been taken up, and it would be extremely hard to convince him that the dressing used does not preserve the life of the leather and keep it soft and elastic. Of course, one should be careful what sort of dressing is used. Soap, rosin, tar and tallow should not be used at all. Even castor oil is criticised." The dressing used in the two cases cited was Dixon's belt dressing and leather preservative, "which was the only article that would start the big driving belt used at the Paris Exposition in 1878, and keep it from slipping." Circulars about the dressing will be sent to anyone interested, by the Dixon Crucible Co., Jersey City, N. J.

1895 Bicycles.

Hardware and bicycle dealers are commencing to look around for a satisfactory and paying line of bicycles for 1895. The pioneer bicycle house of A. W. Gump & Co., Dayton, Ohio, are getting out a special line for 1895 that will be welcome to both dealers and purchasers. Their Admiral Bicycles, with 28 inch wheels, diamond frame, full ball-bearings, wooden rims, and only weighing 29 pounds, and described "as good as others that are sold at from $75 to $100, will list at not over $65. Dealers can get special prices on quantities by corresponding with above firm and make the line a profitable one." A. W. Gump & Co. are of the pioneer bicycle dealers of Ohio, and have gained a universal reputation for their goods.

One has only to stand on the corner of West Broadway and Chambers Street to be assured of the fact that the country is on the road to better times. Some months ago we stated that this corner was the thermometer of trade, and can now confirm this assertion, for during the financial depression into which the country was thrown some months ago, the traffic at this place was hardly a noticeable feature, whereas, now that trade in general is on the improvement, one's life is in jeopardy while endeavoring to clamber over trucks and other vehicles in an attempt to cross the street.

HARDWARE costs only One Dollar a year.

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There are Buyers and—Buyers.

EDITOR HARDWARE: Being a buyer of a large factory, I had occasion one day to call on the buyer of one of the largest wholesale Hardware establishments of the West. A lock agent had just left.

"Do you know," said the buyer, "that man has a drawer lock that looks like a 'winner'?"

"What do you consider a 'winner'?"

"Well," the buyer continued, "that man has, first, a lock that is a *lock*; second, it is simple in construction; third, it can be manufactured cheaply; fourth, it can be easily and cheaply attached."

"Well! I suppose you will sell lots of them?"

"That one point lies with him. You will notice I said *looks* like a winner," and the buyer continued, "looking like a winner and being one are two different things. I told him I thought he had a good thing, better, in my opinion, than anything I had yet seen, but my private opinion and the opinion of the public are two entirely different things. When he has created a demand for that lock so that furniture men come and ask for it, then, and not until then, can I afford to sell it. I know that they ask for other makes—locks that have won a reputation and have an established value. Well, that fellow doesn't yet understand why I won't buy his goods and push them. I can better afford to make a smaller profit on an article that I know has won public favor, than get 'stuck' on one that promises a larger profit and looks like a winner, but fails to keep its promises and whose looks have deceived me. To create a demand belongs to the inventor and manufacturer. To supply the demand after it has been created belongs to the merchant. Other buyers may do the introducing of goods if they want to, but I have had enough of it. I prefer to use my energy to control the demand for goods of established merit."

Was the buyer right or was he wrong? A BUYER.

Bicycles in the Hardware Trade.

INCORPORATIONS, NEW FIRMS, AND WHEELS ADDED BY THOSE ALREADY EXISTING.

Northfield, Mass.—Charles W. Felts, bicycle manufacturer, is negotiating with business men at New Bedford, Mass., looking to making his present plan a nucleus of a larger enterprise, to be established in New Bedford.

Indianapolis, Ind.—The Eclipse Bicycle Co. has made the Simmons Hardware Co., of St. Louis, the exclusive representative in the West, Northwest and Southwest, selling the company's wheels under the name of Eclipse.

New York, N. Y.—The Whitman & Barnes Mfg. Co., No. 111 Chambers Street, New York, are putting on the market an improved nickel-plated bicycle wrench for high grade machines.

Hartford, Conn.—The League Bicycle Co., which three months ago decided to reorganize and increase capital stock to $100,000, are said to be entertaining overtures looking to the transferring of the manufacturing plant to some other city.

Mukwonago, Wis,—The Mystic Cycle Works, incorporated by A. Hardon, Perry P. Camp, Clinton Palmer and others, to manufacture bicycles; capital stock, $6000.

Battle Creek, Mich.—The Meteor Bicycle Co. will remove their manufacturing plant to Saginaw, Mich., and considerably enlarge facilities.

Syracuse, N. Y.—The Barnes Cycle Co., incorporated by Charles F. Saule, Arthur R. Peck and Charles A. Bridgeport, of Syracuse, and others, to manufacture and sell bicycles and bicycle supplies; capital stock, $100,000.

Belvidere, Ill.—William M. Sawyer, a new dealer in sporting goods, invites correspondence with manufacturers of sporting goods and bicycles.

Washington, D. C.—J. E. Knott & Son, bicycles; opened new store at No. 406 Massachusetts Avenue, N. W.; will make a specialty of repairing and renting.

Chicago, Ill.—The Monarch Cycle Co., Lake and Halstead Streets, have increased their cash capital, by paying in $100,000. Their paid up capital now is $300,000, with a surplus of $140,000. The company announce that George H. Pixley is now connected with C. F. Guyon Co., Nos. 97 and 99 Reade Street, New York, the Eastern branch of the Monarch Co. Mr. Pixley will act as superintendent of agencies.

Butler, Ind.—The Butler Mfg. Co., bicycles, bicycle manufacturing, succeeded by a new company, known as the Butler Co.

Geneva, Ohio.—Geneva Cycle Co., reported last week as sustaining a fire loss of $1000, incurred more serions damages than was then reported. An explosion of gas in the brazing house produced damages to the extent of $10,000, which was fully covered by insurance. Before the walls were cold the work of rebuilding was commenced, and the entire plant was again in operation.

Toledo, Ohio,—The Dauntless Bicycle Co., incorporated by John B. Melink, Titus B. Terry, Charles T. Melink, Samuel R. Dority and Rufus H. Baker, to manufacture bicycles, tricycles, cycle fittings and supplies; capital stock, $25.000.

Brantford, Can.—The Henderson Cycle & Mfg. Co., limited, have succeeded the D. S. Henderson Mfg. Co, and will manufacture a high grade wheel, to be known as the Common Sense.

St. Paul, Minn.—The A. D. Smith Cycle House will open new bicycle store, January 15th, and will handle the Sterling.

Chicago, Ill.—The Meter Cycle Co., incorporated by Will H. Clark, Charles S. Babcock and Howard M. Carter, to manufacture bicycles, vehicles, boats, etc., requiring meters; capital stock, $500,000.

Fayetteville, N. C.—E. J. Hale, Jr., bicycles, accepted agency for the Monarch Cycle Co.

Westboro, Mass.—Westbore Bicycle Pedal Factory is being made ready for operations which are about to commence.

Monroe, La.—The Southern Hardware Co., limited, incorporated with I. Baer, president; Sig Marx, secretary and treasurer; capital stock, $10,000. Will take up bicycles, and invite correspondence with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

Springfield, Mass.—The Rubber Tire Wheel Co. have increased capital stock from $10,000 to $30,000.

Transportation Rates for Twenty-Five Years.

An article by Thomas L. Greene in the twenty-fifth year Anniversary Number of the AMERICAN GROCER shows that the all rail rate on grain from Chicago to New York, which was 70 cents per hundred pounds in 1869, is but one-third that amount in 1894. The rate on live stock and dressed beef was 95 cents in 1872 and 45 cents in 1894. Dry goods from New York to San Francisco in 1860 paid $6.50 per 100 pounds and in 1894 one-half that sum. Carloads of fruit from California to the Atlantic Seaboard cost $4.20 per 100 pounds in 1869 and $1 per 100 pounds in 1894. Dry goods from New York to Chicago were charged $1.50 per 100 pounds in 1869, 75 cents in 1894. In 1869 the N. Y. C. R.R. averaged over 2 cents per ton per mile on all its traffic, while the average now is 7 mills per ton per mile; the Illinois Central charges have in like manner fallen from 2½ cents to 9 mills per ton per mile, and the Louisville and Nashville from 3 3-10 to 1 cent. Ocean freights have fallen in equal measure. Wheat which paid 13 cents per bushel from New York to Liverpool in 1869 is now being carried for 4½ cents. Inventions, machinery and competition have done it.

"Do you see that man?" volunteered the barber to a reporter. "He is in queer business. He sells razors to barbers. There is nothing so side-splitting about that, but the fact that he buys his stocks in pawn shops, makes it queer. He argues this way: When a barber is hard up he sells his poor razors first. When he gets harder up he will let his pet razors go, and these he will want to keep a string on so he pawns them with a hope of redeeming them. Thus the very best razors go to the pawn shops, and he knows a good one when he sees it."

The Kansas City (Mo.) Vehicle, Hardware & Implement Association held an annual banquet at the Coates House, Kansas City, some evenings since. Thirty members were present, and the annual reports of the officers were read. The officers are W. G. Stowe, president; J. M. Patterson, first vice-president A. Gallagher, second vice-president; Ira C. Hubbell, secretary and H. S. Ferguson, treasurer.

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Will Help Build Good Roads.

EDITOR HARDWARE: You well remember that some time since in your columns, I advocated that business men generally interest themselves in better roads. I firmly believe that if all men of means would voluntarily tax themselves from five to fifty dollars each and every year for road improvement, the investment would pay a good round interest to all concerned. I have but little faith in any road improvement scheme unless it is backed up by the wideawake business men of the country. I think, too, that they are just the ones who ought to push the job, and shoulder the greater part of the expense, because no set of men would reap so large a benefit as would certainly be awarded to them.

I stand ready at any time to be one of twenty who will agree to build at least one mile of good solid Democratic road, in each and every year, upon the highways leading out from this beautiful village, to the distance of from five to eight miles. When business men see their country customers plodding over rough and muddy roads to get to town to do their shopping and milling, it does seem that if they had any "git" they would willingly and anxiously join hands and purses with our country cousins, and pass one undying resolve to build some up-to-date and commendable roads, and that "right quick," too.

What have you to say to help the good and desirable work along? I have endeavored to set a praiseworthy example, during the past few months, by putting a lot of gravel upon the streets at my own individual expense of over fifty dollars.

On August 3, 1894, nearly the whole of the business portion of our lovely burg was burned to the ground. The whole loss was about $160,000. To-day over one-half of the "burnt district" has erected thereon fine brick and stone blocks that would be admired in any village or city in Michigan. Thirty-two of us were cleaned out, root and branch, We all had to work like beavers to get some places to crawl into and do business. I don't believe another set of people can be found that would have displayed more courage, determination and bull-dog tenacity of purpose than ours have in rebuilding a burnt village. Our citizens are praised by one and all in their unfaltering and hard-working desire to erect new, desirable, pleasant and better business offices. C. NEWTON SMITH.

Lakeview, Mich., November 29, 1894.

Trials of a Stove Dealer.

"We are expected to prevaricate some," said the retail stove dealer, to a reporter of the New York *Sun*. "It is absolutely necessary if a man would succeed. If you don't you lose your trade. Now, this is the worst time of the year for us. It's all on account of the weather. If there is one cold day we are suddenly invaded by an army of women all wanting their stoves repaired. Some want new brick, others want to swap an old stove for a new one, while many want grates of all descriptions. We don't keep such things in stock, and if they are not ready when you promised them (and they are not)there is trouble. You don't want to lose their trade so you tell them you had to order the brick from Pennsylvania, or that they are all out of that kind of grate at the factory.

"The women ask hundreds of foolish questions: 'Why does the smoke come out of the doors? What's the best kind of coal to use in that stove? Will that stove bake bread on the bottom?' and things like that. Most of these people have not used their stoves all through the summer. They have been using gas stoves. Their stoves get clogged up with soot. The grate cracks and the brick falls out. It keeps me in hot water at the beginning of every fall, and it takes me the rest of the season trying to square myself with my conscience."

A Speaking Watch.

The *London Standard* says that a watchmaker at Geneva proposes to make a chronometer which will speak, instead of ringing the time, when the bottom is pressed. He has devoted a great deal of patient study to his invention, the speaking process being produced by means of a small revolving phonographic plate in which presses a small piece of steel. The vibrations resulting give rise to words denoting the exact time. On the perfection of inventions of this class—that is to say, of what may be called the curious rather than the useful order—much time and study are spent without, it appears to us, much compensating advantage. A speaking chronometer would certainly be a curiosity in its line, but nothing more, since all most people want to know is the exact time, and whether they are apprised of the hour by ringing or by words, matters little. The Geneva watchmaker is said to have grown wasted and worn in the pursuit of his hobby—the production of a perfect speaking time-piece which he has not yet succeeded in making.

Very Kind of Him.

The clerk in the stove establishment was trying to sell the countryman a stove, and the way he talked it up was worth twice the salary he was getting.

"I tell you what it is," he said, "I'll let you have that stove at $15, and you can't get one anywhere else in the town like it for less than $21."

"How do you know I can't?" asked the chary old fox from the back lands.

"Because there isn't another like it in town," responded the clerk with the confidence of a man on the witness stand.

"And you have the only one?"

"Yes."

"And you are only letting me have it as an accommodation?"

"Exactly."

The old one patted the clerk on the back affectionately.

"Well, young feller," he said, "I'm as willin' to make a sacrifice as you are, and bein' it's you, I won't rob you of the only thing of the kind you have in the world. Good morning. Any time you're up my way stop and take a meal with me. Good-bye," and with a soft, meandering smile, he passed away. —*Detroit Free Press.*

What the Nation has Done in Twenty-five Years.

During this period its debt per capita has been reduced from $64 43 to $12.55, a steady decrease which, in connection with increasing population, has made the burden of taxation comparatively light.

In 1869 the Government paid in interest $3 32 for each inhabitant, while that charge in 1893 was only *thirty-four cents*. On the other hand, the sense of the nation's obligation to the survivors or the Civil War was so great that the charge for pensions was increased from 78 cents per capita in 1869 to $2 37 in 1893.

The net ordinary receipts of Uncle Sam in 1869 was $9 82 per capita, against $6.91 in 1893.—*American Grocer.*

In the window of a Hardware store in Manchester, N. H., is a sight which attracts a great deal of attention. It is named the "Bicycle of 1895—weighs 14 pounds, 3 ounces." The wheels are grindstones, the upright part of the frame spades, the connecting lower part axes, the upper part and seat a shovel, the fork a pitchfork on which were hung a large lantern with reflector, and an old-fashioned front door bell and a coiled spring; the treadles and handle bars were parts of machines that were in stock. The rider was a work of art, for his body was peck baskets covered with a hunting jacket, his neck a dry measure, his head an ice cream freezer, his hat a wash basin, his legs of covering paper, his hands small garden weeding forks, his ears window pulleys, his nose the cutting part of a plow, his eyes part of door trimmings, and so on. It requires some brains to keep good proportions in a caricature made of such crude materials.

"See my thumb-nails!" said a pretty lady clerk of a Lewistown, Me., variety store. "They are broken off by opening jack-knives for men who want to buy them. We have to open them to show them, and, as I live, they will stand by and see us break our finger and thumb-nails, trying to open knives for them to examine. Not very many men will offer to open them for us, but some do."

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The Latest Catalogues.

The Illinois Pure Aluminum Co, Lemont, Ill., have issued a catalogue of their Pure Aluminum utensils, steam jacketed kettles and other vessels. It is printed in a very artistic manner upon heavy paper, and the various illustrations of this handsome line of goods stand out in great distinctness. In a preliminary note deseribing their goods the company say: "Scientists and others versed in the peculiar suitability of aluminum for cooking utensils, have patiently waited the time when the price of the metal should bring it within reach for this purpose. Electricity has been the means to this end, and the Illinois Pure Aluminum Co. are the first in the field to embrace this opportunity. Assuming, however, that the general reader is not familiar with the reasons why aluminum possesses every qualification necessary to make it the one perfect metal for cooking utensils, we will set them forth as briefly as possible. First and foremost comes the fact that aluminum is entirely free from poison. Next in importance comes the question of durability. Aluminum utensils cook quickly without scorching food. Last, but not least of its virtues, is the lightness of aluminum, which is nearly three times lighter than iron, and three and one-half times lighter than copper. Aluminum has a few enemies which are not met with in cooking, but it is well to mention them. Caustic alkalies consume aluminum rapidly. Muriatic acid acts slowly upon it, but pure sulphuric or nitric acid does not affect it, except the nitric acid be at high temperature."

F. E. Myers & Bro., Ashland, Ohio, have just issued a handsome catalogue of their well-known Myers Spray Pumps, which illustrates these goods in very fine form, showing sectional views of the construction thereof, methods of operation, and appliances used in connection therewith, etc. The little book, taken as a whole, is a liberal education in the line which it represents, and, of course, it will be impossible to give a detailed statement of the various goods illustrated therein. Some of these we hope to present to the Hardware public in an illustrated form at a later day. The catalogue is prepared in a very artistic manner, and will be sent upon application.

The Grand Rapids Refrigerator Co., Grand Rapids, Mich., have just published a very handsome catalogue of their well-known Leonard Cleanable Refrigerators. It consists of a great number of handsome engravings printed on fine paper, upon loose sheets, which are tied together by a blue ribbon. These engravings are printed in blue, while the cover of the catalogue is also blue, with white lettering. It is needless to say that they present a great variety of handsome designs, their line of Sideboard Refrigerators being especially attractive and contain many new features. Some of these Refrigerators are surmounted by a china cupboard, which is a feature desirous in places where economy of space is necessary. These Refrigerators are made of hardwood, either of oak or ash, with antique finish. The trimmings are of solid bronze, while the carvings are cut into the wood, instead of being merely embossed. These Refrigerators took three medals of highest excellence, and a special diploma, at the great World's Fair, in Chicago, and also a gold medal at the Antwerp exhibitian of 1894.

The Allentown Hardware Works, Allentown, Pa., have issued a supplementary catalogue of their surface Refrigerator Locks and Handles. These goods are thoroughly illustrated and the catalogue very handsomely displays their entire line. The company say: "We manufacture all kinds of mortise and surface refrigerator locks, knobs, hinges, name plates, castors, in all the latest designs and finishes; real bronze—ornamental, plain, nickel-plated. Bronze-plated—antique copper and antique brass. Also fine grades of bronze, brass and iron castings. We will be pleased to furnish estimates on any work in our line."

The H-P Nail Co., Cleveland, Ohio, have issued a neat and handsome little book in colors, illustrating their line of Wire Nails, Wire Rods, Wire, Staples, Tacks and Rivets. These goods are illustrated upon every page, with sizes and prices in full. It would be, of course, an impossibility to enumerate the articles which they show, but in addition to the above line mention could be made of two of their novelties, which are the "Mrs. McGregor Family Nail Box," and "Household Box." These books will be sent upon application.

The Goodell Co., Antrim, N. H., have issued a circular illustrating and describing their line of Butcher's Knives and Steels. They say: "These goods are made from steel prepared expressly for us. The utmost care is exercised in every branch of their manufacture. Every knife and every steel is severely tested before it leaves our factory. We guarantee them to suit."

The Ennis Specialty Co., Troy, N. Y., and New York City, have issued a catalogue describing and illustrating their Ventilators, Dinner Pails, Bread Jars, Oil Cans, Metallic Skylights, etc. They will be pleased to send the same upon application.

E. J. Hussey & Co., No. 80 John Street, New York, are sending their friends a little leaflet concerning the Door Checks and Door Holders which they handle.

The Pike Stones Abroad.

E. B. Pike and E. Bertram Pike, the well-known representatives of the Pike Mfg. Co., Pike Station, N. H., have been in the city for several days past, looking over the situation from the standpoint of their New York office, paying business visits to their friends and social visits to the Hardware Club, and also managing to take in the recent social gathering in Philadelphia. They bring the gratifying statement that the Pike salesmen in the West report a better feeling in all directions. They also add the cheering fact that the Pike Mfg. Co. are increasing their export business, which has been one of their principal factors of support during the recent depression. The demand for their Indian Pond Scythe Stones, and also for their Washita and Arkansas Oil Stones, has steadily increased, which demonstrates the fact that the superior quality of these goods is becoming understood abroad, and that their equal cannot be produced in Europe.

The Cream City Bins.

The attention of the trade is called to the advertisement of the Geuder & Paeschke Mfg. Co., Milwaukee, Wis., the well-known manufacturers of tinware, relative to their celebrated Cream City Flour Bins and Sifters, which have grown steadily in popular favor ever since their introduction. The letter forming the body of their advertisement is, as they inform us, an entirely voluntary testimonial, and as such is entitled to the careful consideration of dealers who desire to furnish their customers with satisfactory goods only. The Geuder & Paeschke Mfg. Co. will be pleased to furnish these goods to all dealers at very reasonable prices, and guarantee them to be just as represented. For the convenience of the trade in the East, the Central Stamping Co., Nos. 23 and 25 Cliff Street. New York City, have been appointed Eastern agents for the Cream City Bins, and will furnish them at factory prices.

In England a Hardwareman is making an advertisement in his shop window by representing a bicycle composed of various articles. In one case the construction is as follows: Two grindstones compose the wheels of the machine, an axe handle and hay fork form the frame and seat, a drawing knife the handle bar, meat cutter knives the pedals. The rider has stove pipe legs, feet of scoops and tin cups, body of wash basins, tin pails, etc., arms of conductor pipe, two quart pans for a face and so on. Of course, such an attraction draws the crowd, and that is exactly what the vendor is trying to accomplish in his unique display.

John S. Johnson, in making all of his new world's records at Louisville, last week, used on his chain the celebrated East India Stick Grapholine, which he considers one of the finest chain lubricants, as it reduces the friction and increases the speed of the running of the chain. Johnson speaks very highly of its excellent quality.

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

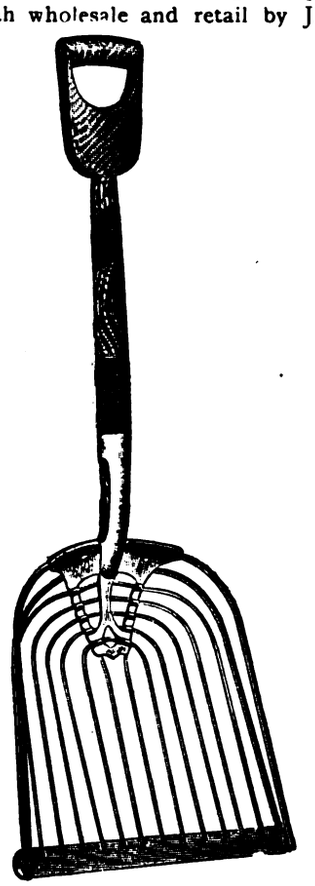
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

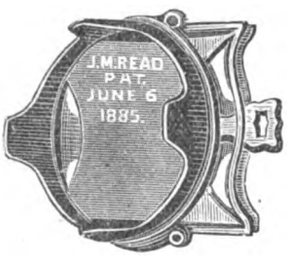
When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Read's Regulating Check Damper.

This article, Read's Regulating Check Damper, is being sold both wholesale and retail by J. M. Read, the inventor and





manufacturer, No. 63 Blackstone Street, Boston. It is spoken of in high terms for controlling the draft in all places where dampers are used. Full particulars as to prices, etc, will be furnished on application.

New Model Wire Scoop.

The Wire Scoop here shown is described by the makers as an "absolutely safe edge wire scoop," and is used largely by fruit growers and shippers for apples, pears, oranges and peaches, besides its original use for shoveling potatoes, onions and other vegetables. "It does this without bruising or injuring them in the least, which owing to numerous rivets and clips in some, and sharp prongs in others, cannot be done without damage. Of course, where fruits or vegetables are cut and scratched, they begin to rot. Its other advantages are that it is made entirely without rivets, and of spring steel stock, making it rigid, strong and durable; in fact, strong enough to handle coal or screen ashes with, and as constructed now, will bear a man's weight on the corners. They have a socket handle, are finely galvanized and attractively finished, and very light. They are also used now largely by ice men, with long D handles for taking out slush ice when gathering; also by fish dealers for handling fish rapidly. In fact, the Perfected Wire Scoop is becoming very useful and practical in various ways, never thought of a few years ago." It is manufactured by the Cleveland Lock Co., Cleveland, Ohio.

Pike's Natural Grit Hones.

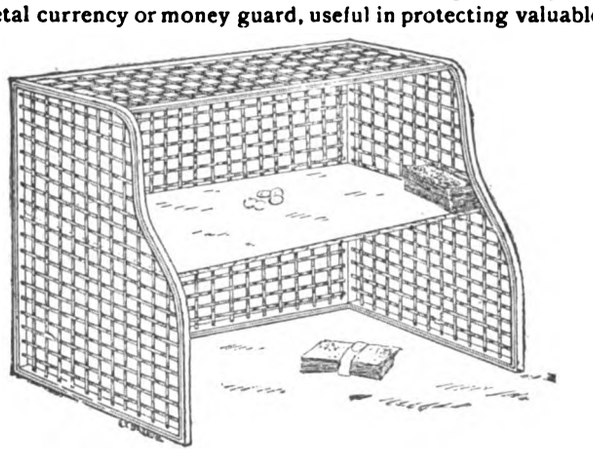
We show in this connection one of Pike's Natural Grit Carving Knife Hones, manufactured and placed upon the market



by the Pike Mfg. Co., Pike Station, N. H. These are of convenient size, length from 12 to 14 inches, and have an octagon end, which makes them convenient for handling. They are made of medium coarse free cutting grit; are of uniform texture, very strong, and not brittle. They are sufficiently porous to prevent grease from glazing, which, as the manufacturers say, "is the principal trouble with emery wheels." They also speak of their cutting qualities, simplicity and cheapness. They would like all dealers who are interested to send for sample and prices.

Cashier's Money Guard.

E. T. Barnum, No. 179 Jefferson Avenue, Detroit, Mich., manufacturer of wire and iron work, is offering to the public a metal currency or money guard, useful in protecting valuables



at the cashier's or teller's window. In the accompanying illustration we show a modern design of this useful office adjunct. The guard can be made of any size, the usual dimensions being, however, 30 inches high, 30 inches long and 18 inches deep. It is furnished in steel or brass wire, with any finish desired, polished or antique brass, oxidized brass or copper nickel-plate, electro bronze, Japanese bronze, or made to correspond with the office or bank fixtures by which it is surrounded. A glass wood shelf can be used. While having great strength, the article is yet light and convenient to handle. Mr. Barnum will be glad to send a catalogue of any work in his line to all who apply.

New Gas Heating Stove.

The accompanying cut illustrates a new Gas Heating Stove that has recently been put on the market by the Hipwell Mfg. Co., of Allegheny, Pa. "It can be attached to any ordinary gas jet by means of a rubber hose; can be used in any room, as it requires no flue connection; burns with a



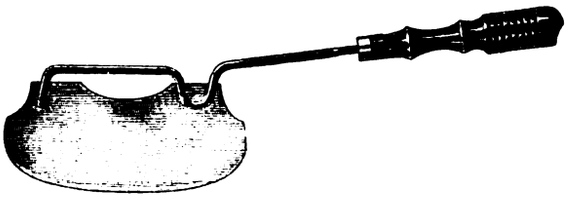
perfect illumination; positively without odor or escaping gas; has a removable cover which will be found very convenient for nursery or cooking purposes. It is a very handsome, attractive stove, and sells at a price that is within the reach of all."

A Family Cleaver.

Mason & Parker, Winchendon, Mass., are manufacturing and placing upon the market a twenty-five-cent Family Cleaver of

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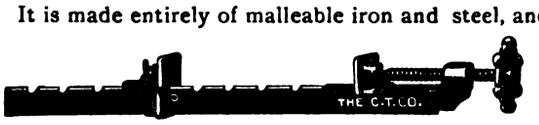
unique design, and what they believe "will prove a very popular article for household use." They claim that it is made entirely of steel, except the handle, which is of wood in cherry finish. The blade is six inches in length, of extra heavy



stock, and is securely riveted to the tang, into which it is inserted. The tang passes clear through the handle, and is riveted at the end and also cemented. The manufacturers state that the workmanship is first class. Goods are packed one dozen in a box.

Improved Joiner's Clamp.

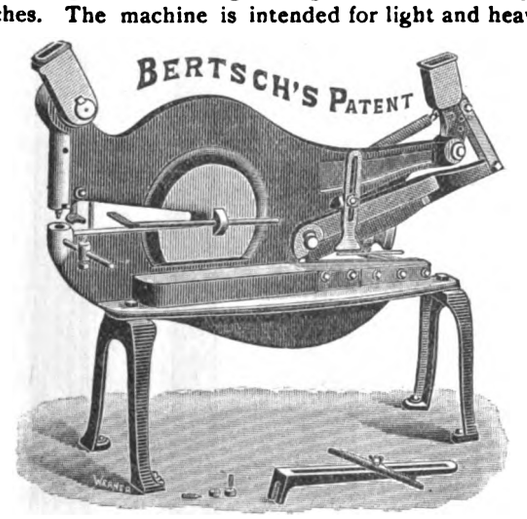
The Improved Joiner's Clamp here shown is manufactured by the Cincinnati Tool Co., No. 281 Broadway, Cincinnati, Ohio. It is made entirely of malleable iron and steel, and the



makers explain that it "does not crack, break, or slip, nor will it bind. Is quickly adjusted, light, strong and endurable." They quote the following list prices: Per pair, 12 inches, $2.70; per pair, 18 inches, $2.85; per pair, 24 inches, $3.

Bertsch's Combined Punch and Shear.

The Combined Punch and Shear here shown is being placed upon the market by Bertsch & Co., Cambridge City, Ind. The makers explain that "the working parts of the punch and shear are not combined, but are independent of each other; punch and shear are each provided with a lever socket, so that it is convenient for two to use the machine at once, except when cutting long sheets; lever on the punch will work from the front or the rear, while the lever socket on the shear has a series of holes for adjusting the knife bar links, so as to cut but half the length of blades, which increases the power from 50 to 100 per cent." They add that "the knife bar has a bearing on the rear side to prevent springing; with the tool are furnished three sets of punches and dies, back gauge, improved side pin gauge for punching holes at equal distances apart without marking off and strengthening bolts for the deep throat punches. The machine is intended for light and heavy sheet



iron workers, and is made in eight sizes with 4, 8, 12, 15 and 18 inch throat punch, adapted to punch flange and angle iron, and has 8, 10, 12 and 18 inch blades to cut round or flat bar iron in sheets up to ⅜ inch plate."

The Berry Sprinkler.

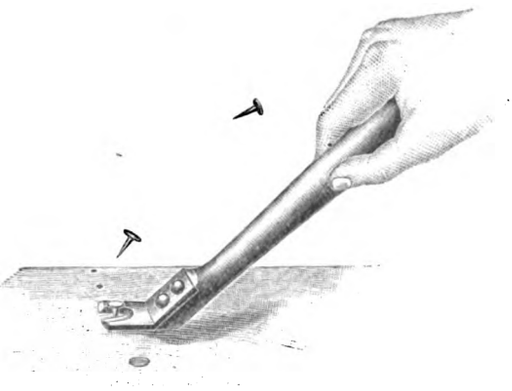
The accompanying cut shows a new Clothes Sprinkler lately put on the market by the Berry Sprinkler Co., No. 147 Franklin Street, Boston, Mass. They claim that it is made of brass, and therefore will not corrode. "This Sprinkler fills itself by absorption, or automatically, and wherever introduced gives perfect satisfaction, doing away entirely with the putting of the hands in water, and fills a long-felt want. For the spraying of disinfectants in the sick room, it is unsurpassed, and is now recommended by physicians for that purpose. For sprinkling house plants, laying dust before sweeping, and for spraying



long used carpets, with a few drops of ammonia added to the water before sweeping, which makes the carpet look brighter, it is highly recommended. Full directions accompany each Sprinkler." Retail price, twenty-five cents each. Write for discounts.

The Yankee Tack Puller.

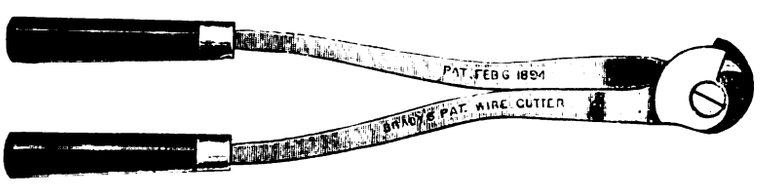
The Browne & Dowd Mfg. Co., Meriden, Conn., are putting out a tack puller as here shown. It consists of a metal handle, to which a cast steel claw is riveted; the claw is so curved that



it slides under the head with ease, and leverage such that it pulls the tack without bending. "They are neat, simple and effective and are packed in attractive counter display boxes."

Brady's Safety Wire Cutter.

The Safety Wire Cutter here shown is being placed upon the market by James Brady, No. 83 Washington Street, Brooklyn, N.Y. It has insulated handles, and is used for cutting live wires and cables with safety; is made of steel drop forgings, and has vulcanized fibre handles, combining great strength and perfect insulation. The cutter blades are dropped forged, of the best tool steel. "All parts are interchangeable, making it always possible to replace broken or worn out parts. The cutter blades are so constructed that, as they are ground away in sharpening, they can, by our patented arrangement, be set around one notch at a time, and this can be repeated until the blade is used up, when a new set of blades can be inserted



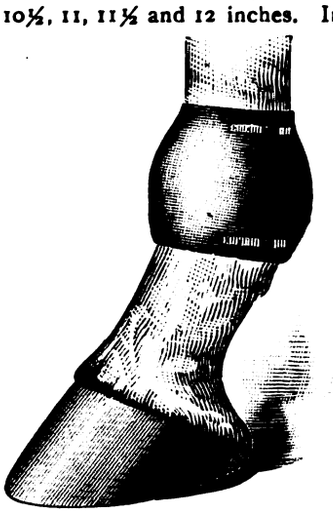
thus making the Cutter as good as new, and this can be repeated indefinitely, as all other parts are practically indistructible." Prices: Nickelplated, $20; Antique Bronze, $18.50; Forge Finish, $17.50 each. Cutter Blades, $5 a pair.

The Rubber Ankle Boot.

The Bourne & Knowles Mfg. Co., Cleveland, Ohio, are calling the attention of trainers, breeders, horse owners, liverymen and Hardwaremen who handle such goods, to their new patent Rubber Ankle Boot, which is illustrated in this connection. It is made in the form of a cushion around the ankle, so that the horse when striking will not bruise the joints. This Boot

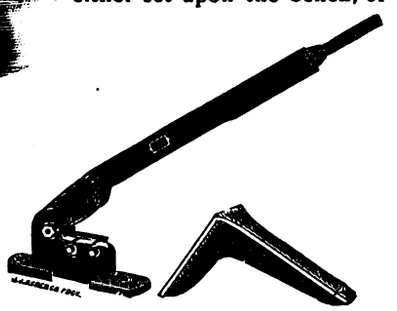
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is made in seven sizes, which are respectively, 9½, 10, 10¼, 10½, 11, 11½ and 12 inches. In describing these goods they say that they "prevent cutting, chapping and scalding; lighter than leather boots, and will outwear the same. Can be worn on either ankle; is always in place and shape, and is not affected by dust, mud or snow."



Clough's Hand-Lever Shear.

This Hand Lever Shear is manufactured by R. M. Clough, Tolland, Conn. It is made to either set upon the bench, or by use of the bracket shown, can be fastened to a convenient post. The maker says that it will shear one-quarter inch iron. It is intended for the use of the blacksmith, carriage maker and other lines of labor. Its power is referred to, and the statement made that it can also be used in cutting round iron.



Riveting and Farriers' Hammers.

The Hammers here shown are being manufactured and placed upon the market by the David Maydole Hammer Co., Norwich, N. Y. In describing these articles the company say: "We believe our Farriers' Adz Eye Hammers, California Pattern, 'hang' better than hammers having curved claws, as nearly all the weight is directly in the line of the stroke when driving a nail. The claws are strong, sharp, and the split very narrow at the inner end. They are made in three sizes, nine, twelve and fifteen ounces weight. Instead of the wedge-shaped pein found on the usual style of riveting hammers, our Double Face Riveting Hammers have a small, full, round face, which we consider much better for nearly all the work for which these tools are used. Each style, round and octagon, is made in six sizes, running from three ounces to one pound ten ounces weight."

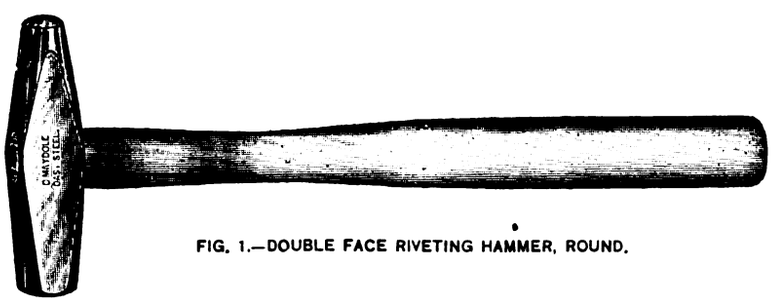


FIG. 1.—DOUBLE FACE RIVETING HAMMER, ROUND.

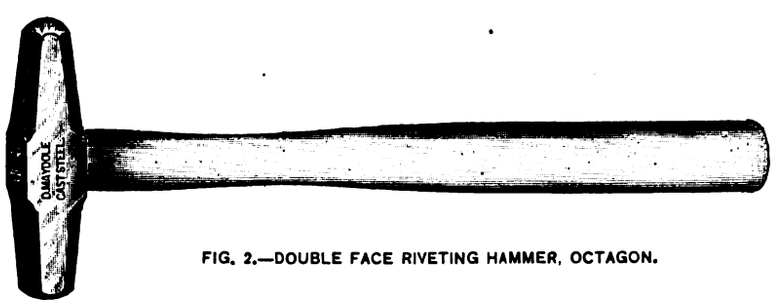


FIG. 2.—DOUBLE FACE RIVETING HAMMER, OCTAGON.

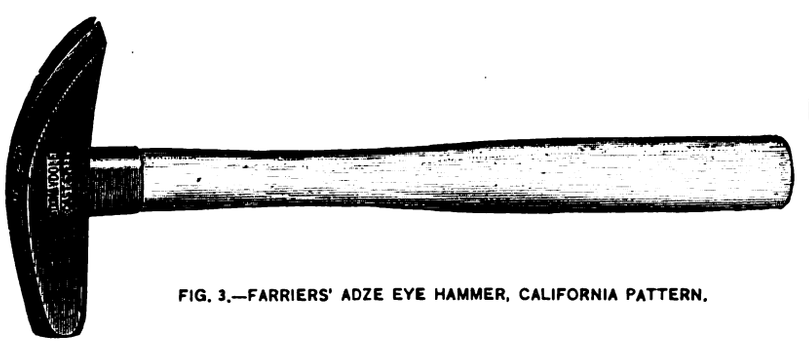
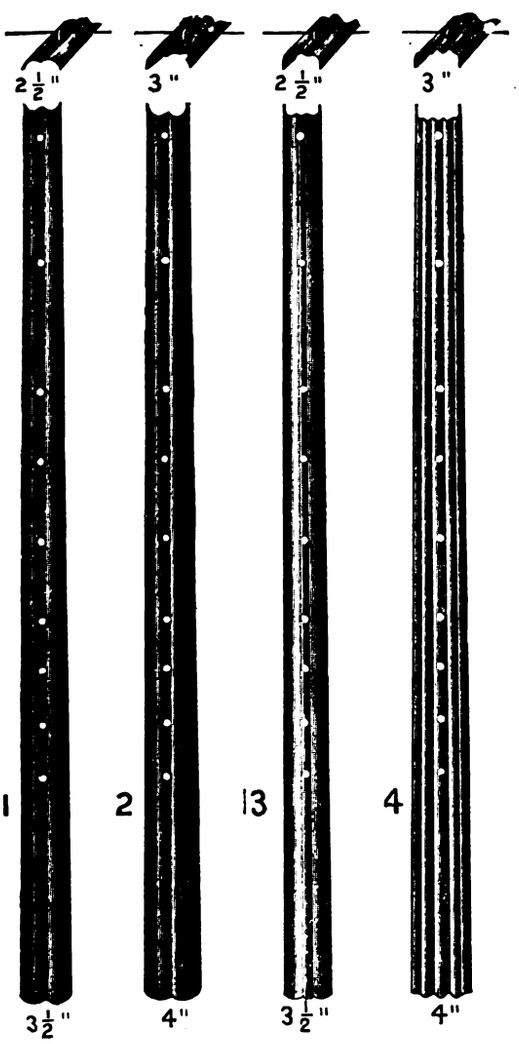


FIG. 3.—FARRIERS' ADZE EYE HAMMER, CALIFORNIA PATTERN.

Pressed Steel Fence Posts.

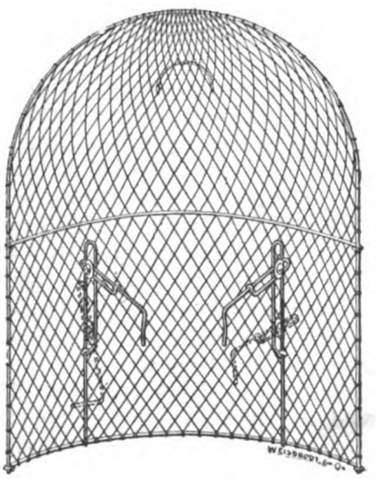
Herewith is shown the new Pressed Steel Fence Posts that are being placed upon the market by the Avery Stamping Co., Cleveland, Ohio. This company have been experimenting for a long time to see if they could not distribute steel "into such shape as would make a light, stiff, strong, durable and low priced fence post, and the result of their experiments is exhibited by the cut herewith shown. These posts are made from sheet steel pressed into shape and afterwards coated with a non-corrosive compound for preventing rust, and the posts being tapered narrower at the top, make a very handsome appearance, and their form is such that they have great rigidity. These posts can be driven into the ground, thus saving digging and filling, and frost does not raise them. The simplicity of the fastening, which is merely a staple inserted through the holes, and bent, allows the wires to expand and contract. The post being light and nesting, for shipping purposes, there is a great saving in freight, cartage and handling, but the most telling feature is the price. The principal reason that steel posts have not been more universally used heretofore has been that the metal was not properly distributed, thereby requiring considerable more material which increased the weight and cost unnecessarily. These posts offer the same resistance to pressure in the ground as a wooden post of like size. They are particularly adapted for railway, farm lawn, park and cemetery fences, whether of smooth, barbed or woven wire." The Avery Stamping Co. are prepared to furnish these posts in any quantity, and solicit correspondence in regard to the same.



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Extension Fire Guard Arm.

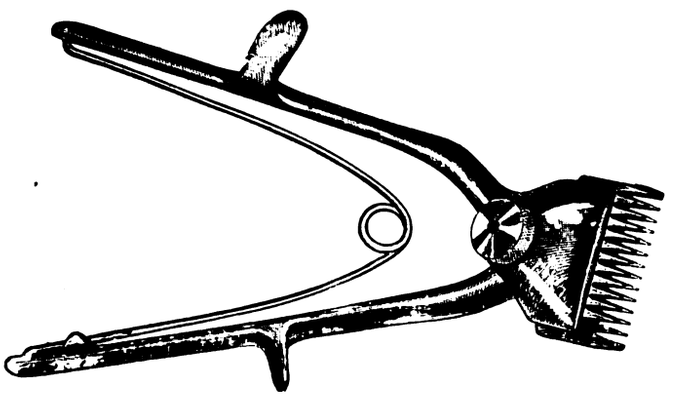
The Extension Fire Guard Arm here shown is manufactured and offered to the trade by the Cincinnati Mfg. Co., Cincinnati, Ohio. It is said that the Arm can be lowered or raised to



fit any grate basket, or extended to clasp the bars of receding grates. The arms fold down inside when not in use. They make no extra charge for fire guards furnished with the Extension Arm. They are also the sole manufacturers of the Monarch Grate Guard.

Horse or Dog Clipper.

The American Shearer Mfg. Co., Nashua, N. H., for whom Wiebusch & Hilger, Nos. 84 and 86 Chambers Street, New York, are selling agents, are manufacturing the Horse or Dog Clipper



here shown. It is made to operate with one hand, in order to leave the other hand free to hold the dog or animal being clipped. The teeth are made with extra wide divisions, in order that they may freely enter the close hair of a dog. The Clipper is nickel-plated and has the latest improvements, consisting of spring tension bolt, detachable plates and adjustable spring, which may be instantly removed.

Decorated Tea and Coffee Pots.

The Bellaire Stamping Co., Harvey, Ill., announce that they are now placing on the market "a very desirable line of Decorated Tea and Coffee Pots. These goods are finished in blue,



plum and chocolate colored enamel, and are all enameled white inside. The decorations are hand-work and of entirely different character from any other line of Decorated Enameled Ware on the market. They are decorated with enameled colors, and the design stands out from the surface of the pot. The effect is both pleasing and unique. These goods are finished with enameled wood handles, which do not heat, and the covers and other metal trimmings are of heavy brass, nickel-plated. These goods are meeting with great favor, as the price at which they are sold is within the reach of the great majority of housekeepers. The trade who have not yet received our catalogues should write for same and also for prices, which will be promptly furnished upon application. We are prepared to furnish special catalogues illustrating these goods in fac-simile colors."

Good Prospects Ahead of Him.

The following item, which is certainly of interest to the Hardware trade, in which Mr. Osgood is well known, is taken from a recent date of the *Union*, Springfield, Mass. The many friends of this gentleman will hope that the fortune suggested in this information, may eventually come into the possession of one who is so well qualified to make good use of the same:

"William B. Osgood, manager of the Keating Wheel Co., Holyoke, is a direct descendent of William Hyde, the founder of the Hyde family in America. Mr. Osgood thinks that he is one of the heirs to the Hyde estate, an English property valued at some $300,000,000, which is to be divided between some 400 American heirs. The family of which Mr. Osgood is a member was founded in this country in 1647, and Mr. Hyde was at that time the owner of this property in England. His ancestor was a Round Head, who fought under Cromwell in the time of Charles II. The Chancery Court has had the management of the property in England for some years. Mr. Osgood says that there is but one thing left to be proven, and that is whether the present Hydes in America are the descendents of Samuel Hyde, the eldest son of Samuel Hyde, of Norwich, Conn. Mr. Knowles, the agent of the estate, has been searching the records in this country for the evidence, which it is thought he has found. Mr. Knowles sailed for England last month, and has written a letter stating that the heirs in this country will be able, in his opinion, to recover their portion of the property. Mr. Osgood has two brothers who expect to come in for their share of the estate."

Looted the Store.

Some nights since, several burglars had a picnic and a wagon excursion at the expense of Janney Bros., Hardwaremen of Minneapolis, Minn. They gained entrance through a side window in the rear of the tinshop which forms an addition to the store in front, and made their way into the store, where a systematic search was made for everything valuable of a light and portable nature. Most of their plunder was in the shape of small articles, such as pocket knives, razors, silver-plated cutlery, revolvers, etc. After ransacking everything within reach and leaving what they did not want piled in confusion upon the counters, the midnight marauders turned their attention to the private office. Here they broke open the drawers, but succeeded in finding only a dollar's worth of stamps. They did not give up their search, however, until they had torn open all the letters lying around and scattered their contents over the desk and floor. Their exit was made through the side door of the tinshop opening into the alley. Just outside the door and close up to the side of the building could be seen, the next morning, the marks of light wagon wheels, showing that the goods were carried away bodily and on wheels.

Speer C. Nelson, No. 9 Frankstown Avenue, East End, Pittsburg, is the pioneer Hardwareman of that section. He carries a full line of general and fancy Hardware, stoves, tinware, fine cutlery, house-furnishing goods and builders' supplies. Being an affable gentleman and a thorough business man, he is enjoying all the trade he can attend to.

The Buckeye Churn Co., Sidney, Ohio, will be pleased to send prices, circulars, etc., to any who may be interested in their Buckeye Churn, an article which is built upon a new principle, and which has met with no little degree of success.

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Illustrated Bicycle Novelties.

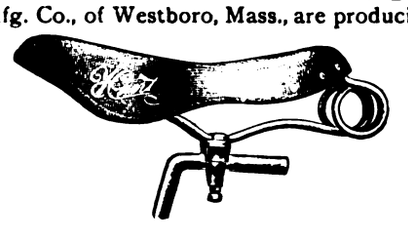
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

A New Bicycle Saddle for 1895.

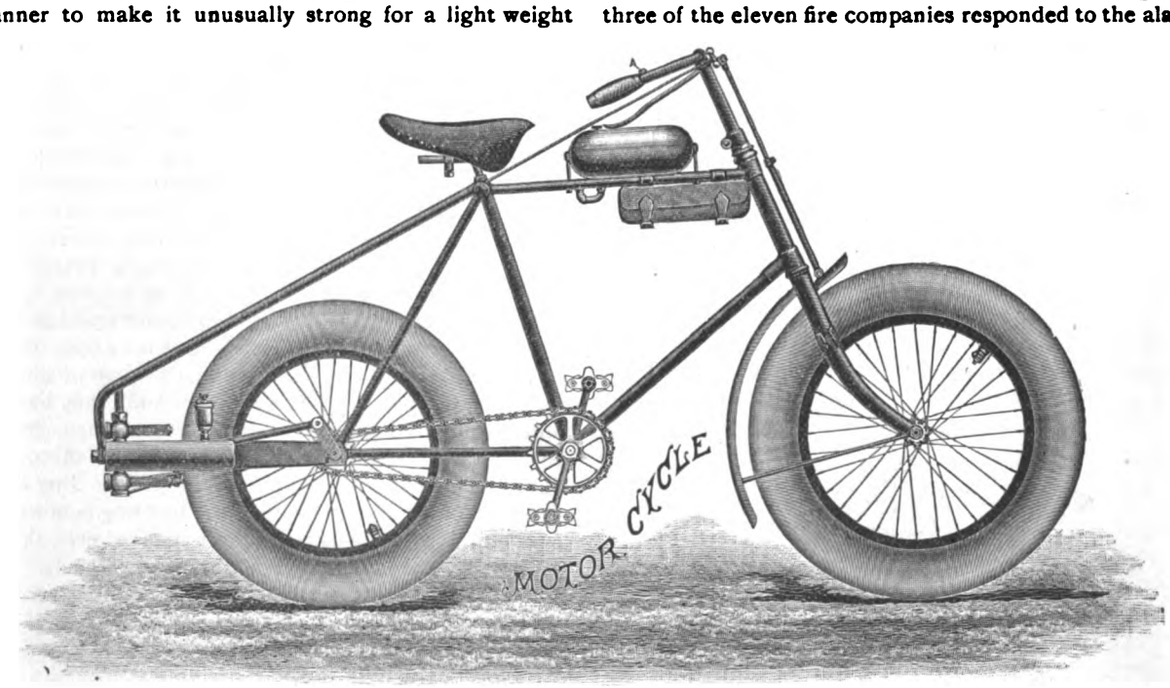
To meet the demand for a comfortable saddle, light in weight, the Hunt Mfg. Co., of Westboro, Mass., are producing the Sad-



dle shown here, which they are fitting for the coming season with their Special Tops, which they claim "to be the nearest approach to any absolutely unstretchable saddle leather that has ever been produced, at the same price as the ordinary leather." Either the special top or the regular leather top will be furnished as ordered in black or in colors. Liberal discounts to the legitimate trade. No goods sold except to dealers. Send for catalogue of some fifteen styles of saddles and tool bags.

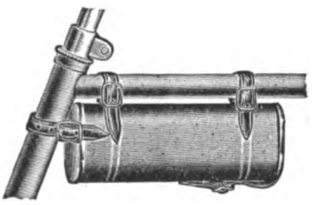
A Motor Cycle.

The Hitchcock Mfg. Co., Cortland, N. Y., are placing upon the market the Motor Cycle here shown, the right of manufacture and sale for which they have purchased from the Motor Cycle Co., Cleveland, Ohio. In describing it they say: "Is a machine that will carry a person at as high a rate of speed as is safe over roads and highways, without fatigue to the rider. You sit on the machine with your feet on the coasters and guide; the Standard Oil Company's product does the work. The machine is built on the most approved lines, heavy enough to withstand hard usage, with non-puncturable tires, 4 inches in diameter. It will run up hill at a good rate of speed. It may be run at any speed, from one to as many miles per hour as the operator has courage to ride. May be propelled by foot power if desired. The machine is designed and constructed in a manner to make it unusually strong for a light weight machine, adapted to meet the requirements of all classes of riders and convenient to operate. The front and rear wheels are built 22 and 20 inches in diameter, respectively, with 4-inch pneumatic tires, with non-puncturing strip between inner and outer cover. We find that the 4-inch tire can be used with less pressure than is usually used, owing to the large diameter, giving the rider the full benefit of a very resilient tire. The surface presented to the ground when the machine is in operation is about 5 inches in width by 12 in length, giving surface sufficient so that it can be ridden over mud, sand, dust, and over rough roads. The power mechanism is simplicity itself, and is composed of two hot-air engines, one on either side of the rear wheel, constructed on the same lines as the railroad locomotive. Owing to the fact that the hot-air engines take pressure from but one end, the mechanism is more simple, and less likely to get out of order, than any known style of power-producing machines. The can in front of the operator carries the oil, which is conveyed through the frame to the cylinders of the engines, where it is mixed with air. Being ignited it expands the atmosphere and forces the plungers forward. It is an impossibility to have an explosion, or anything occur which is either harmful or unpleasant. It is an impossibility to run the machine until the passenger has taken his position in the saddle." The makers will be pleased to quote prices, etc.



Tool Bag. No. 41.

The accompanying cut shows the Hunt Mfg. Co.'s new Metal End Tool Bag. This is a telescope bag, "of ample capacity for carrying all the cyclists' repair outfit and tools, for



touring, and has both ends handsomely nickel-plated, or only one end nickeled as desired. It produces a neat effect on a nicely finished wheel." Prices furnished upon application to the company, at Westboro, Mass.

Loss of the Lozier Bicycle Works.

The extensive bicycle factory of the Lozier Mfg. Co., Toledo, O., was completely destroyed by fire on the evening of November 28th. The last of the five hundred employees had left the mammoth structure but a short time before the alarm for the fire was sent in. The factory is nearly three miles from the centre of the city, so that when the first of the fire apparatus arrived on the scene the flames had control of the building. All but three of the eleven fire companies responded to the alarm, only to find, to their chagrin, that there were but two hydrants from which to take water. The two streams were inadequate to cope with the blaze, and half an hour after the alarm was given the factory was almost a complete ruin. The fire started in the "assembling" room of the factory, and was caused by the explosion of a large tank of enamelling fluid. The loss is about $500,000 to $700,000, with insurance of $300,000. The destruction of the factory comes at the time of its busiest season.

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The company had, it is said, 25,000 wheels under way for next year's trade. The general offices of the concern are in Cleveland.

The Lozier Mfg. Co., it is needless to say, have gone again to work with that great energy which was displayed in the creation of their works and the upbuilding of their business. Under date of November 30th, H. A. Lozier & Co., the Cleveland end of the concern, issued the following circular statement:

We are appreciative of the expressions of sympathy in the loss we have experienced in the destruction of our magnificent bicycle plant. Volumes of telegrams and letters have been received with the kindest of offers and expressions. While words are inadequate to express our grateful feelings, we desire to convey to our brother manufacturers, to our dealers and our many friends, our thanks for their whole-souled offers of assistance, encouragement and sympathetic expressions. While misfortune is ours at the very time we were to swing wide the gates for business of 1895, we beg to state that we shall replace our plant with equal or greater facilities than before, at as early a date as human energy, aided by abundant capital, is capable. Arrangements are already completed whereby we can promise Cleveland Wheels in sixty days; and, while deprived of an opportunity that was ours to present an elegant line of bicycle production for 1895 for the favorable consideration of the trade December 1st, we must crave the indulgence of our friends in this forced delay. We shall be in the market with the Cleveland in the early months of 1895.

Sincerely yours,

H. A. LOZIER & CO.

Cleveland, Ohio, November 30, 1894.

The Standard Nut Lock Company, Newark, N. J., organized in 1891 with a capital of $100,000, is in financial difficulties, and a rule to show cause why a receiver should not be appointed, issued by Vice-Chancellor Van Fleet. William N. Blanchard, a stockholder, was the petitioner. The company's assets, exclusive of certain patent rights in this and other countries, are only $2000.

The Franklin Brass & Bronze Co., No. 111 Chambers Street, New York, have issued a new catalogue of their various manufactures, which W. F. Brainerd, the secretary and treasurer of the company, will be glad to furnish on application to dealers throughout the country.

Joseph H. Seed, Nos. 21–23 Center Street, New York, has issued a revised catalogue of his patented specialties. This includes a large line of very attractive articles. Mr. Seed will be pleased to send this catalogue upon application.

The Bradley & Hubbard Mfg. Co., Meriden, Conn., are so busy at present that one-half of their force of employees are compelled to work until 9 o'clock at night. This certainly is an encouraging sign of revived business.

The Novelty Iron Works, Ashland, Wis., were destroyed some days since by fire, involving a loss of $250,000. The heaviest loser is D. J. Seyler, that city's pioneer iron worker. It is expected that the plant will be rebuilt.

The Axe & Edge Tool Works, of White & Ham, Honesdale, Pa., which were destroyed by fire some days since, are being rebuilt, and the company expect to be in shape and resume full operation within the coming two months.

At a fire which occurred on November 23rd the wire nail works of Carnegie, Phipps & Co., Beaver Falls, Pa., were destroyed, at a loss of $100,000; which loss was fully covered by insurance.

At a fire in Mount Olive, Mo., some evenings since, the wire fence factory of Edward Webber was destroyed, at a loss of $4000.

The Giese Wire Mill, Dolgeville, N. Y., it is reported will soon resume operations.

Review of the Markets.

Money: The two leading events of the past fortnight have been the successful placing of the issue of the United States bonds, and the reassembling of Congress. The issue of the bonds is taken by all financial minds to be only one of temporary relief, and it is felt that some measures must be taken by Congress to give permanent relief. This naturally will be a slow and tedious process.

The meeting of Congress is of little concern. The session will be too short to accomplish much that would provoke discussion. Then for three years comes a quiet spell to the general business man, as during that time neither party will have control of both the legislative and executive branches of the government, and legislation of a partisan and doubtful character will be completely blocked.

The rates for money are somewhat higher, owing to the withdrawal of current funds for the new loan. Sterling exchange is higher, showing that foreigners care more for our wheat and cotton than they do for our bonds in the present condition of our currency.

There is a good distribution of Hardware, but it is expected that it will now soon fall off, and travelers will straggle in from day to day until Christmas. Then the days of inventories will come along, and not much will be done before January 15th. Next year every one expects to get a fair living, at least.

In the matter of prices, there seems to be little hope for improvement. The price of iron is constantly shrinking, and as long as this goes on there can be no advance in prices. This is the reason why we are gradually obtaining a market for our wares in every section of the globe, and like our wheat and cotton, the foreigner generally makes the price. Shelf Hardware is selling very well in various sections of the country, while seasonable goods are in steady demand. In heavy Hardware trade is fair, but it must be remembered that there were no large building operations during the present season, and the demand for goods must remain limited until a change occurs in the undertaking of new enterprises.

There is a good demand this season in various sections for oil and gas stoves from retail Hardwaremen, and the interest in this direction has grown in good proportions. In some sections the sale of gas stoves is in the control of the gas companies, and little or no headway can be made under such a handicap. The gas company make the connection in such cases free of cost.

In glass, demoralization has given way to a feeling of confidence among manufacturers and dealers, which has been caused by a decided improvement in actual consumption. Contrary to what was going on one month ago, the market is active, and stock has been scarce. A large demand comes from the East, where building operations are being carried on upon a large scale. Quotations are at 85@10% on the old list.

In paints there is very little activity, and little is expected until next year. Mixed paints, as well as colors in oil, are slow. The trade in white lead is, as usual at this season, very light. Sales are small, and simply meeting daily needs. The competition of the English and German corroders is mentioned as a future menace to the interest in this country. Red Lead is dull, German competition placing the market in an unsettled condition. Litharge is dull, although there is considerable business in the way of delivery on old contracts. In barytes the demand is small, but production is light and prices are steady. In varnish gums the situation is better, and the feeling is one of confidence. Linseed Oil is in fair demand, but the larger dealers are holding off for lower prices.

In Wire Nails there is a good demand, with the placing of some large orders for next season. There is a better feeling among manufacturers, and they seem willing to run their factories so as to make stock. The price at the mills is 85 cents, and $1.25 out of store in New York.

The demand for Cut Nails is moderate, mostly due to the approach of the close of the year.

Barb Wire is improving rapidly, and a fear is brewing that there will soon be a scarcity of stock, as there are indications the business next season will be of large proportions.

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There is some improvement in carriage bolts, while chisels have developed considerable weakness.

Metals: Iron is in better demand, but there is a sharp cutting of prices still going on. Tin is still on the downward grade, there being a bull and bear contest in London, much to the detriment of values. Copper is dull, the demand being light, and so far as can be ascertained, there are no large orders placed for next year. Lead is dull, the offerings being light, with also a light demand. There is not much confidence in the future of the market. Spelter is dull, with lower prices. In antimony there is a fair demand.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	11
Arizona & Baltimore Cast'g	10¼
Ansonia "A" Casting.....	10¾
Anchor Rolling.....	10½
Baltimore Rolling.....	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 3⅛ inches, incl...17c. ₩ ℔	
Over 3⅛ to 5 " " ....18c. "	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3⅛ inches, inclusive..18c. "	
Over 3⅛ to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ ℔....	8½
Cookson's.....	10
Lead.	
Foreign.....₩ ℔....nominal.	
Domestic.....	3½@3¾
Spelter.	
Foreign.....₩ ℔....	4¼
Western, common.....	4@4¼
Zinc.	
Sheet, cask.....₩ ℔.....	4¾@5
Tin.	
Straits, 10 ton lots, spot ₩ ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4⅜
Bessemer do.	4 85
Charcoal Tins:	
Melyn grade, 14x20 IC....	5½
Each X $1.50.....	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4¾
Do 20x28.....	9.25
M. F., 14x20.....	4½
Do 20x28.....	18.00
Dean, 14x20.....	4¼
Do 20x28.....	9 00
D. R. D. grade, 14x20.....	4¼
Do 20x28.....	8½

Clapp & Co., bankers and brokers, New York, say in one of their recent weekly circulars with regard to wheat: "Wheat.—English markets practically control wheat values the world over. Liverpool has now about the smallest supply of any Thanksgiving day in a score of years. One-eighth of the English crop may be fed to live stock, and is unfit for bakers' uses. Reported only one cargo of wheat has arrived off the English coast for sale to Great Britain during the past fourteen days, and apparently their stock and supplies are reaching the danger line. Their farmers' deliveries are nearly one-third less since August 1st than in the same time in 1893. The European visible is decreasing at a season when it ordinarily increases. Russia's crop is reported 88,000,000 bushels less than in 1893. Black Sea ports stocks are small. Recently they have been shipping Europe about one-half her supplies. America shipped the United Kingdom about 40 per cent. of weekly requirements. India and Australia have fallen away behind in exports as compared with former years. Many think the Argentine has reached her topmast rung as an exporter for years to come, and will no longer be a prominent factor in depressing values. The combined crops of cereals and coarse grains in the world in 1894 are much less than in 1893, the deficiency being in corn. We believe increased consumption by live stock the world over is equalling about 7 per cent. of the wheat crop grown; that the American consumption by hogs and other live stock is from 12½ to 18 per cent. of the crop grown. Prices the world over average about 40 per cent. less than in 1891. Modern methods appear equalizing the consumption of all food stuffs for man and beast. This may destroy the value of old statistical methods, and prevent increased supplies of cheap grain that can be turned into meats profitably. The world's visible usually reaches its maximum about January 1st. In 1892 the gain from November 1 to January 1, 1893, was about 41,000,000 bushels, same time in 1893 only about 11,000,000 bushels. We expect to see the American visible gain weekly until about Christmas, and the English visible to show no increase for some weeks to come."

THE CHICAGO TRADE.

For Chicago and near-by territory, we are glad to report quite an improvement in the volume of business since our last letter, and also quite a decided improvement in the general feeling of the trade. The election is now a matter of the past, and people have had time enough to get over the surprised feeling at the extent of the change in popular feeling during the last two years. From numerous talks with customers we gather that the feeling among the trade is one of returning confidence; everybody now looking forward to a good business for the coming year, which they now, as a rule we think, expect to commence rather earlier than usual. In fact, present indications point to less interruption in business during the slow winter months than usual. Stocks are so extremely light all throughout the country, and people have been ordering goods in such a hand-to-mouth fashion, that very few sales suffice to exhaust stocks and make further orders necessary. This method of transacting business, while it has undoubtedly been a necessity for the trade during the last year or year and a half, has been very trying indeed for the jobbers and manufacturers, as it necessitates the handling of a great many orders of small proportions, the expense of handling these orders being fully as great as would be the expense of handling those amounting to 50 per cent. more. We hope for a change in this feature of the business, and in fact think there is actually some improvement in this direction.

WOODROUGH & HANCHETT CO.

THE DAVENPORT TRADE.

Water was let into the Hennepin Canal on November 29th for the first time, the event being appropriately celebrated.

Many traveling salesmen came home to eat Thanksgiving turkey and to renew acquaintance with their families and friends.

Manufacturers' representatives, who visit us, say that future orders are placed cautiously, and with more reserve than usual. Another effort to arrange for a more satisfactory way of marketing barb wire has failed, and prices have again dropped, in consequence; buyers are taking advantage of this demoralized condition, and are placing orders freely for prospective wants. Price of wire nails remains ruinously low, and sales are light, even at present figures.

It is to be hoped that the unusual conditions of the present season may not be repeated, and that the experiences of the last few months, producing commercial convulsions, may prevent, in future, any sudden and absolute changes in the policy of this government. Changes are not always an improvement; sudden changes have proved disastrous.

The result of the annual inventories will show small, if any profits, occasioned by the great shrinkage in values, small stock of goods, only a fair amount of book accounts, very few bills receivable, and more cash on hand than usual.

Considering the very low prices now ruling, the small stocks of goods in store, and the abundant supply of money, it would seem that a large trade must be done the coming season.

S.CKELS, PRESTON & NUTTING CO.

THE PHILADELPHIA TRADE.

As the end of the year approaches, trade in staple goods slackens somewhat and holiday goods take their place; and sleds, cutlery, skates and fancy goods are now in good demand, although a couple of weeks of sharp cold weather would materially help trade in all lines of goods.

Jobbers are now overhauling their stocks, preparatory to the usual stock taking, and it is safe to say the wholesale stocks are lighter than in many years, and as full stocks are now almost unknown (so manufacturers tell us), should there be a sudden increase, the demand would probably make a scarcity of goods, which is a "consummation devoutly to be wished."

Prices are in a waiting condition, as manufacturers and buyers alike are waiting to see what turn things will take. Some manufacturers report greatly increased trade during the past two months, but this seems to be somewhat uneven, as from other quarters we hear complaints of light trade.

Wire Nails and Barbed Wire have probably reached their lowest quotations, and factories are very loth to take orders except for prompt shipment. There is also some talk of higher prices in the Wire market, and all wire goods are firmer in consequence. There seems to be a growing disposition to use net prices, and two or three manufacturess have issued, or are about to issue, their prices hereafter in net figures instead of lists and discount. There are some reasons why this should prove of benefit all around. Many retailers find their customers are educated up to the list and expect to buy their goods at a discount; as a result the dealer is compelled to sell odd goods on the same narrow percentage of profit as staples, and while he may be content to sell an eight-inch Strap Hinge

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(which is sold every day) at a close price, he certainly should not be expected to sell an Extra Heavy T Hinge, 14-inch, of which he may only sell one pair in a year, on the same close margin. Goods which are sold infrequently should pay a better profit than those which are sold every day, and this will probably be a decided help to all classes of trade from the manufacturer down.

Collections are up to the average, although as the end of the year approaches, the annual inventory will probably reveal to some merchants that they are not so well off as they supposed, and in such times as we have had for the last eighteen months it is certainly incumbent that every man should know how he stands.

BIDDLE HARDWARE CO.

THE CLEVELAND TRADE.

As we are approaching the end of the year, it is quite natural to look back and meditate somewhat upon the conditions that have ruled during the past twelve months. It is not a very agreeable task, as the early part of the year presented very little that was cheerful,

The depression in business that started in the middle of 1893, continued in full force until the middle of 1894. Since that time the records of almost, if not all, dealers will show that there has been an improvement. It can hardly be called a real recovery, but simply a state of convalescence, accompanied by the firm conviction that the hour for final dissolution has been postponed indefinitely.

It is rather refreshing to turn from the contemplation of such an uninviting field to the future that looms before us. We can already notice that general confidence is being restored, and a conviction settling upon the minds of men that the times will be better; that the unemployed will find a vocation; that mills now running in a half-hearted way will be crowded to their utmost capacity, and that all the present unrest and distress will have vanished as a factor in our daily life.

We share this confidence with the community at large, and believe that during 1895 we will see such a material improvement over our records of 1894. that we shall have new life given to us, and new energy to prosecute our daily business. Accompanied by this hope is also a conviction that we have touched upon an era of low prices, with very little hope of their recovery, to a point anywhere near that of three or four years ago.

Many causes are responsible for this, and it would be a wise man indeed who could define positively just what has brought it all about. The great staples of Hardware, that is, Wire and Nails, continue very low in price, although quite firm at the present prices, and we believe that bottom has been reached.

It would take very little legitimate demand to stiffen prices now ruling considerably, and we believe that the buyers who postpone purchasing until after January, will probably pay a premium for their delay. Stocks of merchandise in the hands of jobbers and in that of retail dealers, are very small indeed, and the moment there is the first movement toward accumulating stocks, such as are carried in ordinarily good times, it must give an impetus to prices that cannot possibly be resisted. We do not care how soon it comes, and believe that we have the full sympathy of all dealers in this opinion.

We wish all your readers a Merry Christmas and Happy New Year, as we shall have no opportunity of greeting them again before those anniversaries roll around.

THE MCINTOSH-HUNTINGTON CO.

THE BALTIMORE TRADE.

A celebrated English writer of the last century, compared Experience to the stern lights of a vessel, which illuminate only the track over which it has passed. This truth forces itself upon us to-day. Viewed in the experience of past years the month of December has usually ushered in a poor benumbed sort of trade, with scarcely any excuse for existence—taken in out of the cold to save it from being frost-bitten. Such is the picture of past years, which experience portrays. This season presents a pleasing contrast. There is a fair business being done, comparing favorably with the best days of November. A healthy, steady demand, not on holiday goods alone, nor even strictly winter goods, but fair quantities of shelf and staple Hardware seems the rule. A sharp cold snap might stimulate sales on certain lines, but when one stops to think of the suffering it must entail on the unemployed, it seems a merciful Providence "has tempered the winds" for these poor unfortunates. Locally speaking, Baltimore to-day has fewer unemployed than this time last year. Many of the works along the water front, which had closed down during the depression, have resumed and are running full time. The rapid transit railway companies, in the construction of new roads, absorbed much of the laboring talent. So much for our own section.

Carefully reviewing the outlook in the South we find, notwithstanding the low price of cotton, much that offers encouragement. For the first time in her history, she is shipping corn to the North. It has been the general belief that the agricultural condition of the Southern States was dependent on the cotton crop alone for profit and prosperity. Whatever foundation there may have been in the past for such belief, the experience of this year certainly proves otherwise. Not only has she raised enough corn for her own use (and her requirements of this cereal are large), but she has produced a surplus for sale outside of her limits. This is a step in the right direction.

Another factor presents itself which cannot be overlooked—the number of cotton mills which have started up in the South. Owing to lack of capital and skilled labor, heretofore, only the coarser grades of goods were manufactured. To-day many of the finer fabrics are being turned out. The growth of these mills, the quality of their product and the surety of a firm hold on the market, augurs well for their future prosperity. One of the best indications of this faith in the future of the South was shown last week. Did you notice how eagerly the securities of the Southern Railway Co. were bought up by a foreign syndicate, while gilt-edge bonds of more apparent value were slighted? As trees are fructified by their own broken branches and fallen leaves, so has the New South out of its past failures and blasted hopes, arisen in a new garb—stronger of limb—with every promise of bearing good fruit.

With the opening of the new year, we look for a decided revival all along the line. Not so much in the way of prices, but in volume of business, judged from the general condition of depleted stocks. We would not, if we could, rehabilitate staples into their old position of false values. The folly of high prices being concurrent with high wages has been pretty well exploded. A fair article at a fair price is more satisfactory all around, both to the manufacturer who produces the article and the consumer who uses it. The one can retire at night without his conscience accusing him of extortion—the other can make his purchases without encroaching on his bank reserve.

In conclusion, there are a few words we would like to add. Several months ago the writer was very favorably impressed by an editorial in HARDWARE advocating the formation of a National Hardware Association. The call was timely, and promises to bear fruit. During the past week we are in receipt of an invitation to attend such a meeting in a prominent city of the West. Coming from the source it does, it carries with it the conviction of success.

THE TABB & JENKINS HARDWARE CO.

THE GRAPHITE TRADE.

The tide which commenced to rise early in August and has perceptibly risen ever since, laved the high water line till the close of November, and orders have been nicely floated off into the hands of fairly eager buyers.

Business has certainly been good in every branch of our manufacture, pencils being a leader, but Crucibles, Graphite Paint, Lubricants and Stove Polish all show a proportional demand. December is with us a quiet month, as we have nothing in the holiday or novelty line, and inventory and general overhauling tend to shorten the days of production. We are booking numberless orders for January delivery, and from the inquiries received daily for quotations and printed matter, the prospect for the opening year makes us smile.

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Sells on Sight.

WARNER BURGLAR PROOF LOCK.

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Write for Prices and Circulars.

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Chicago, Ill.

We send a copy of our new pencil catalogue for 1895, that you may notice how fearless we are in the expenditure on the cover, of anticipated profits.

Collections come in naturally, and without pressure.

JOSEPH DIXON CRUCIBLE CO.

Jersey City, N. J.

The Niles Tool Works, Hamilton, Ohio are now working two-thirds of their force ten hours in a day. As an evidence of returning prosperity, it may be stated that the pay-roll of this concern has increased over $5000 in the last month.

The wood handle shop of Chilson & Reed, Swift River, Mass., is rushed with orders at present, the hands being compelled to work overtime to keep up with the orders.

Information has just been received that the Yale & Towne Mfg. Co., Stamford, Conn., and New York, have sold to the Brown Hoisting & Conveying Co., Cleveland, Ohio, their entire Crane department, comprising the designing and building of traveling, locomotive, jib, pillar and other cranes. This change took effect on December 1st.

Julius Andrae, No. 225 West Water Street, Milwaukee, Wis., is manufacturer of the Sunbeam Chain Lubricant, which is extensively used by bicycle riders, prices and particulars of which he will furnish on application.

Glasses and cups are now being made with small thermometers, which tell the host and guest the degree of temperature at which the coffee or cocoa may be.

Martin Doscher,

DEPOT,

88 Chambers St., New York.

EDGE TOOLS.

G. W. Bradley's,
Horton's,
L. H. Watt's,

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

Help Wanted.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

Situations Wanted.

EXPERIENCED entry clerk and bookkeeper wants position with large concern where hard work and strict attention to business will ensure promotion and position. Has had four years' experience as a salesman in general Hardware. Address Hardworker, care HARDWARE, No. 143 Chambers Street, New York City.

THE BEST OILER IN THE WORLD
Is the "PERFECT" POCKET OILER.



HALF SIZE

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other Oilers. Be sure to get the "Perfect." Price, 25c each. Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."

CUSHMAN & DENISON 172 9th Ave., N.Y.

POSITION wanted by an American. Age, 34. Bookkeeper, clerk or shipping clerk. Experienced in electrical supplies. Address G. F. M., care HARDWARE, No 143 Chambers Street, New York.

Business Opportunity.

GOOD OPENING—A chance for a good worker. A young man with a capital of $3000 can obtain one-half interest in a well established Hardware business, in a growing section of Brooklyn. Address V. M. C., Blythebourne, N.Y.

FRANKLIN BRASS & BRONZE CO.,

111 Chambers Street, New York.

MANUFACTURERS OF

BRASS & BRONZE HARDWARE.

Drawer Pulls,
Shutter Bars,
Hook Sash Lifts,
Flush Sash Lifts,
Push Plates,
Door Pulls,
Plate Escutcheons,
Cabinet Escutcheons,
Box and Chest Corners,
Corner Plates,
Hinge Plates,
Mirror Plates,
Refrigerator Catches,
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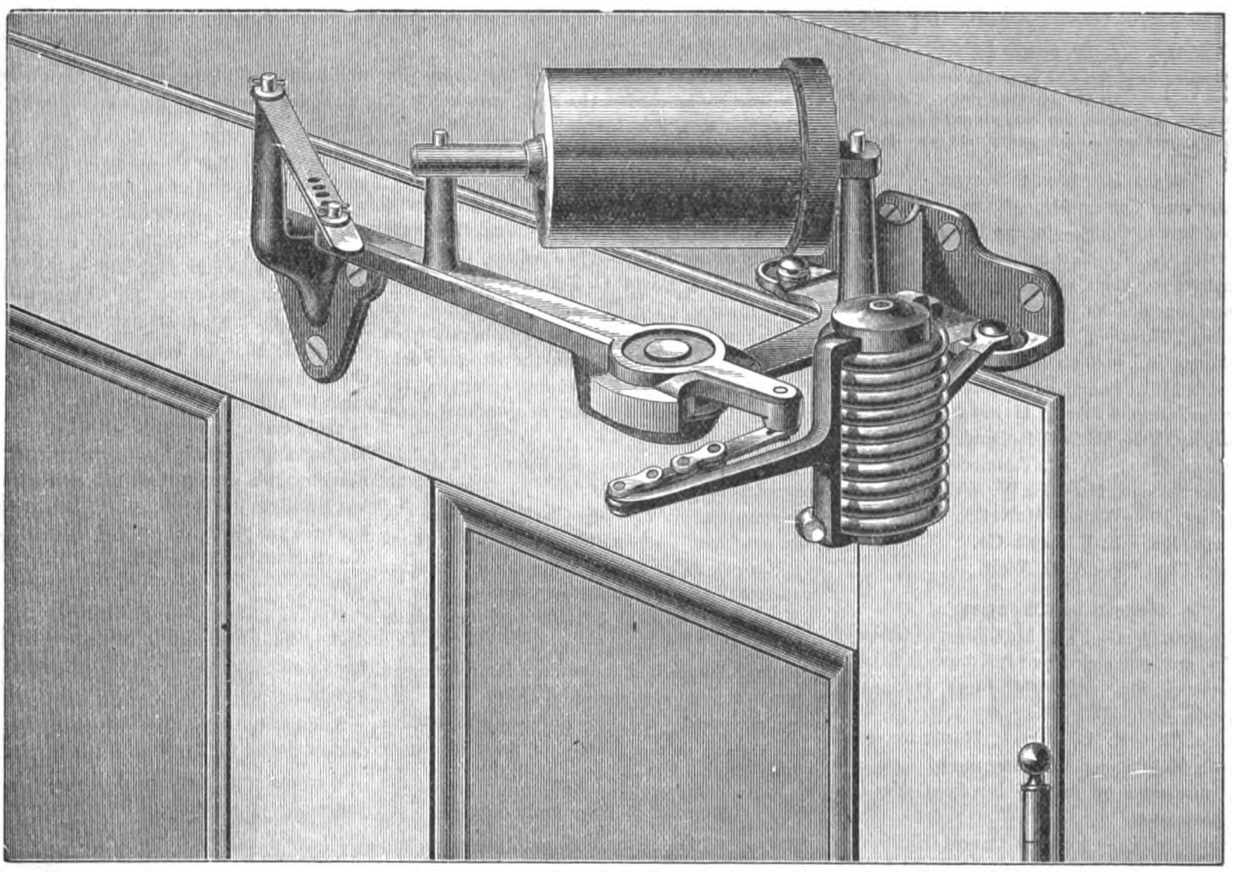
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Fancy Box Hinges,
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"HOME" DOOR CHECK AND SPRING COMBINED.



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RUSSELL & ERWIN MANUFACTURING CO.,
SOLE MAKERS.
NEW BRITAIN, CONN. - NEW YORK. - PHILADELPHIA. - BALTIMORE. - LONDON.

Puritan Wheels are right.

Puritan Terms are right.

Puritan Makers will use you right.

—WRITE THEM.—

O. J. FAXON & CO., - - 3, 5 & 7 Appleton Street, Boston, Mass.

We make a two speed wheel for climbing hills, too. It's so easy.

ROAD WHEELS
FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.
A LOW PRICE AT WHOLESALE.

HARDWAREMEN!
SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.
Paterson, N. J.

THE
"Syracuse" Twist Drill Bit.
BEST FOR CARPENTERS AND BUILDERS BECAUSE:
Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grind-stone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.
Syracuse Twist Drill Co.,
SYRACUSE, N. Y.

THE IDEAL
TEA & COFFEE STRAINER.
Affords absolute protection to the cloth.
Made in both Nickel and Silver Plate.
For prices and particulars address
THE IDEAL STRAINER CO.,
208 State St., Boston, Mass.

Power Presses, Foot Presses, Screw Presses,
HYDRAULIC PRESSES. PRESSES. DROP PRESSES.
Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.
THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,
Waterbury, Connecticut, U. S. A.

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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bridgewater Centre, Me.—E. L. Lowell.
Broad Brook, Conn.—Joseph Jones.
Canisteo, N. Y.—Carney & Burrell.
Charlestown, Mass.—Bryant Bros.
Essex Junction, Vt.—Seneca Place.
Gardner, Mass.—F. P. Garruth.
Kokomo, Ind.—Armstrong, Ellis & Simmons.
Miner's Mills, Pa.—L. J. Hymen.
Pioneer, Ohio.—Pioneer Hardware Co.
Poultney, Vt.—Michael Holland.
Prescott, Iowa.—W. C. Timmons.
Siloam Springs, Mo.—G. W. Wright.
Sterling, Ill.—William McNell.
Tampa, Fla.—L. B. Lee & Co.
Tower City, Pa.—A. O. Wolf.

Record of Changes.

Arlington, Wis.—F. A. McKillips, Hardware, bicycles, etc., succeeded by McKillips & Bissell.

Brunswick, Me.—Ridley & Jones, Hardware, dissolved.

Canton, Ill.—R. L. Bocock, Hardware, etc., on South Main Street, has gone out of business. Stock purchased by Robert Groskopf, who has taken possession.

Carbondale, Pa.—Jones & Devers, Hardware; John Von Beck has purchased an interest in the company.

Centralia, Wash.—Centralia Hardware Co., H. M. Cutler retired.

Chester, Mass.—George Knowles has sold his stove and Hardware business to H. B. Clark, who will continue it at the old stand. Mr. Knowles has been in business in town for twenty-one years. For the last few months his health has been poor and he has been reducing his stock preparatory to this move.

Cobleskill, N. Y.—Marcus Angle and son, Wm. G., have purchased the Hardware business of Frank Rose, which will hereafter be carried on by them.

Commerce, Tex.—W. J. Taylor, Hardware, succeeded by Taylor & Sedbury.

Dayton, Ohio.—Carey F. Bloomershine, Hardware, sold out.

Deering, Me.—Frederic Jones has sold his interest in the Hardware business of the late firm of Ridley & Jones, Brunswick.

Delavan, Ill.—Darling Bros, of Green Valley, have purchased the Hardware business of Kingman & Duncan.

Elmira, N. Y.—J. E. Stowell & Co., Hardware, succeeded by J. M. Diven.

Exira, Iowa.—Marshall & Sharp, Hardware and implements, sold stock to E. A. Rea, who has taken possession.

Ft. Madison, Iowa.—J. W. Matthews, the West End Hardware dealer, has sold his store to Kelly & Behm, of Axtelle, Kan.

Glen, N. Y.—J. Bunn, formerly employed by J. S. G. Edwards, has gone in partnership with I. A. Yates, in the Hardware business, under the firm name of Yates & Bunn.

Grand Island, Neb.—A. C. Lederman, Hardware, succeeded by the A. C. Lederman & Co.

Grand Valley, Pa.—J. G. Nesenson has disposed of his Hardware store to W. R. Westbrook, of Elmira, N. Y. C. L. Frost, of Cherry Grove, N. Y., has been placed here as local manager.

Houston, Tex.—The Western Hardware Co. have recently purchased the Hardware stock of T. W. Smith.

Independence, Iowa.—R. R. Plane & Co., Hardware, have dissolved partnership.

Indianapolis, Ind.—Harvey G. Carey, who has been a member of the Van Camp Hardware Co. since its organization, has retired, Courtland Van Camp and David D. Bergundthal purchasing his interest. Dr. Carey is in ill health, and for this reason has determined to withdraw from active business. He has been the vice-president of the company, Mr. Van Camp occupying the position of president and Mr. Bergundthal secretary and treasurer.

Jameson, Mo.—Reed & Dunn, Hardware, succeeded by J. P. Reed.

Jamestown, N. Y.—The Clark Hardware Co. have purchased the remaining stock of the Johnson Hardware Co., and will incorporate the same in the stock at the Main Street store.

Kingston, Mo.—C. A. Gilliland, Hardware, sold out.

Lacey, Ark.—E. P. Zachary, Hardware and stoves, succeeded by Sherwood Baker.

Ladoga, Ind.—Ed Lidakay has purchased a half interest in the Hardware store of James Knox.

Record of Improvements.

Fargo, N. D.—Hance Bros., Hardware, are moving into larger quarters on Front Street.

Ft. Dodge, Iowa.—J. W. Ryan is selling his Hardware stock, preparatory to moving into his building in the rear of his present quarters.

Johnstown, Ohio.—R. C. Frederick's new Hardware store is nearing completion.

Lancaster, N. H.—L. I. Moore & Son's new store is about finished; it is 190 feet long and four stories high, and is the largest Hardware store in New England.

Metamora, Ill.—W. H. Peard will move his Hardware store into larger quarters about the first of January.

Newton, Iowa.—M. L. Sturtevant is getting his stock of Hardware in place in the Smith block.

Pittsfield, Mass.—The Peirson Hardware Co. are making extensive improvements to their store.

Salem, N. Y.—George W. Baker is taking an inventory of his stock of Hardware and moving it to his new building, which is rapidly nearing completion.

South Akron, Ohio.—The Akron Hardware Co. are building an addition to their plant.

Watertown, N. Y.—Charles Partello, who for many years conducted a Hardware and repair establishment on the north side of Public Square in this city, has removed his stock of goods to No. 1 Academy Street, where he is conducting business as before.

Waterville, Me.—Hanson, Webber & Dunham, Hardware dealers, have purchased a lot on Main Street and will build a four-story brick block in the spring which will be used exclusively in their business.

West Stewartstown, N. H.—G. A. Ripley & Co. have moved their Hardware business into Lyman's store and will now increase their stock, adding several new lines.

Business Embarrassments.

Carrollton, Pa.—P. J. Dietrick, the well-known Hardware dealer, has made an assignment, Joseph A. Gray being appointed assignee. Mr. Dietrick's embarrassment is said to have been caused by the hard times and his inability to collect outstanding accounts.

Gonzales, Tex.—W. M. Kehl, Hardware, etc., made an assignment to Everett Lewis, assignee. Liabilities, $2357; assets, $3000.

Meriden, Conn.—H. E Gay, the furniture and Hardware dealer in McFarrell's block on West Main Street, has made an assignment, naming Attorney H. King as trustee.

Munda, Ill.—D. L. Barney, Hardware merchant, has closed his doors and made an assignment for the benefit of creditors. This was done to avoid executions in favor of Chicago creditors. He had apparently been doing a prosperous business, but it is now said started with little capital, lost heavily by a bank failure last summer and has been unable to collect outstanding accounts. No statement of assets and liabilities can be obtained.

Nashville, Tenn.—J. T. Williams, a Hardware dealer, doing business at No. 323 Broad Street, has assigned to the Nashville Trust Co. Figures not given.

Sioux City, Iowa.—Gillette Bros., Hardware dealers, failed for $15,000 to $20,000.

Warrensburg, Mo.—C. A. Magon, Hardware, has made an assignment for the benefit of creditors. Assets and liabilities unknown.

Burglaries in Hardware Stores.

Coldwater, Mich.—Kerr Bros., $40.
Dubuque, Iowa.—Ransom Bros., $100.
Kokomo, Ind.—Hutching Bros., $500.
Leonard, Tex.—C. C. Vawters, $50.
Lorain, Ohio.—N. C. Alten, $30.
Newark, Del.—H. B. Wright & Co., razors.
Rochester, N. H.—I. B. Moore, revolvers.
Sharpsburg, Iowa.—O. Boyer, $200.
Sidney, Ohio.—W. H. Wagner, $500.
Temple, Tex.—J. F. Hollingsworth, knives.
Watertown, N. Y.—O. B. Gaffey, cutlery.
Williamsburg, N. Y.—Frederick Riecht, $270.
Zanesville, Ohio.—George E. Crossman, $100.

Fires in Hardware Stores.

Austin, Tex.—W. Richardson, Hardware, partly burnt out; fully insured.

Akron, Iowa.—Bly Bros., Hardware, bicycles, etc., partially burned out; covered by insurance.

Cross Forks, Pa.—A Hardware store and blacksmith shop owned by Richard Sullivan, was destroyed by fire. The loss is about $500.

Gananoque, Ont.—T. W. Bennett & Sons Hardware and tin shop was badly damaged by fire some days since.

Hiattsville, Kan.—R. T. Williams, lumber and Hardware, reported loss by fire.

Lockport, Tex.—Burrows Bros., Hardware, reported burnt out.

Marion, N. C.—W. P. Jones, Hardware, bicycles, etc., burned out; partially insured.

Paris, Tex.—Thomas Bros., Hardware, etc., destroyed by fire, at an estimated loss of $3000.

Pittsburg, Pa.—Bovard, Seyfang & Co., Hardware store, on Ohara Street, destroyed by fire.

Tulare Cal.—Lindar Hardware Co.; loss, $3000; insured, $1500.

West Lynn, Mass.—Joseph McGilvarey, plumber and Hardware dealer, destroyed by fire, at a loss of $500.

Wynne, Ark.—M. O. Burton, Hardware, damaged by fire.

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BUY DIRECT

from us, if you want a bicycle "Built for Business." and sold at a legitimate profit. We want the best trade or none. We want dealers that will buy

FROM THE MAKER

in large or small quantities, with your name or ours. We are not ashamed of our productions. Any responsible dealer who orders a sample **New Clipper,** and does not consider it worth the price we ask may return it

AT OUR EXPENSE.

New Clippers

Are Built to create Business.
Are Built to Please Business men
Who Buy for Business.
Ride for Business,
Sell for Business, and
Who are in Business for Business.

Grand Rapids Cycle Co.,

I Street,
Grand Rapids, Mich.



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:IS:—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.
WRITE FOR CIRCULARS AND PRICES.
STAR MANUFACTURING CO., CANTON, OHIO.



The **Frictionless Falcon** Wins With **Big Ball Bearings**



Little Ball Bearings

15 BALLS MEAN 75 POINTS OF CONTACT

9 BALLS MEAN ONLY 45 POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

IT IS KNOWN THAT THE

Popular and Profitable Bicycle Agency to Secure

—IS—

THE FALCON.

8 Distinct Patterns.
Leaders in
Special Mechanical Features.
Write for our Photographic Description of the
"GOLD CRANK FALCONS."

Yost Mfg. Co., Yost Station, Toledo, Ohio.

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS. - - - SEND FOR CATALOGUE.

Keating

"365 DAYS AHEAD OF THEM ALL."
17 to 23 Pounds
CATALOGUE FREE
FACTORY. HOLYOKE. MASS.

HOUSES
OF
Good Business Standing
DESIRED AS
AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.
Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED line** 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

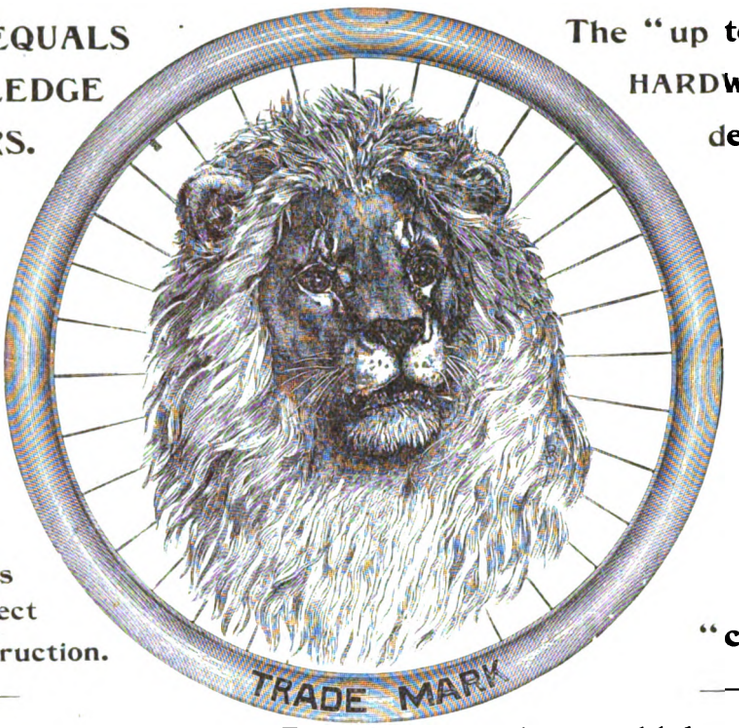
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THE MONARCH BICYCLES

HAVE FEW EQUALS and ACKNOWLEDGE NO SUPERIORS.

Look up our Special features for 1895.

They are the Grandest devices possible to a perfect construction.



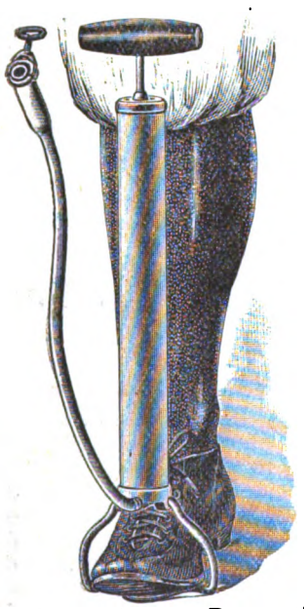
The "up to date" HARDWARE DEALER desiring an Agency for 1895 should talk quick before his enterprising neighbor "cuts him out."

1895 will prove the biggest Bicycle year the world has ever seen.

FACTORY: Lake & Halsted Streets, Chicago.

MONARCH CYCLE CO.,

Eastern Branch: C. F. GUYON COMPANY, Ltd., Managers, 97 & 99 Reade St., N. Y.



Heath's Ball Valve Pump and Patented Universal Coupling.

Attached to any Pneumatic Tire easily and quickly. Always ready. The most prolific producer of high grade wind and the best instrument for placing said wind where it will do the most good. It is guaranteed not to blister your hands nor propogate big swear words during the operation.

ONE USER SAYS:

"Heath's Pump saves time, temper, backache, sore fingers, sore arms, patience, perspiration, soft tires, clothing. Adds pleasure and convenience."

RETAIL PRICE $2.00.

—LIBERAL DISCOUNT TO THE TRADE.—

ELECTROS FREE FOR CATALOGUE PURPOSES.

—Sole Manufacturers,—

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

WITH THIS NEW

Garden Cultivator

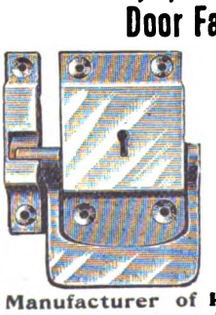


A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG. CO., ROCK FALLS, ILL.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.

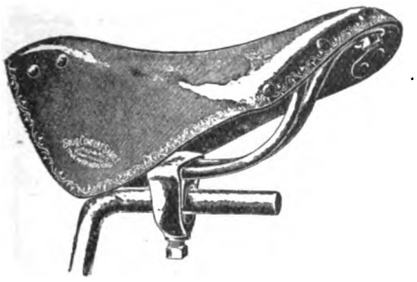


THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

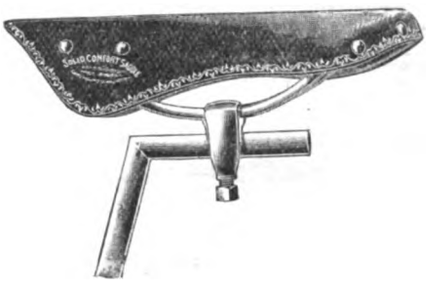
P. J. CONROY,

PHILADELPHIA, PA.

Manufacturer of Refrigerator and Ice House Fasteners, Hinges and Faucets.



RACER, MODEL A, No. 2.
15 Ounces.



SCORCHER, MODEL M.
17½ Ounces.

TWELVE NEW STYLES FOR 1895.

"SOLID COMFORT" SADDLES FOR BICYCLES.

DESIGN AND FINISH ARE UNSURPASSED.

Manufacturers and jobbers should get our prices before placing orders.
Our designs are up to date.

Our Prices are "Rock Bottom."

Curtis-Child Manufacturing Co.,

Send for new list. PHILADELPHIA, PA.

THE

CHICAGO CYCLE SHOW.

January 7th to 12th, 1895.

In Battery D and Second Regiment Armories,

On Michigan Avenue. - - Opposite Monroe Street.

ADMISSION 50 CENTS.

Hardware Dealers who have handled Bicycles have made money in their bicycle departments. It will be well for

HARDWARE DEALERS

to visit the Chicago Cycle Show and investigate the exhibits thoroughly. We offer the following inducements:

Reduced railroad rates (a fare and a third from every part of the United States).

Reduced hotel rates at all the prominent hotels on both the American and European plans.

Free admission to the show during the morning session when only those interested in the trade will be allowed in the buildings.

The greatest show of cycles, accessories and parts ever held in America. Practically all the makers, great and small, will exhibit.

Bicycles, tires, accessories and parts will be grouped as separate exhibits.

COME PREPARED TO DO BUSINESS.

For further particulars, address Secretary,

The National Cycle Exhibition Co., Caxton Bldg., Chicago.

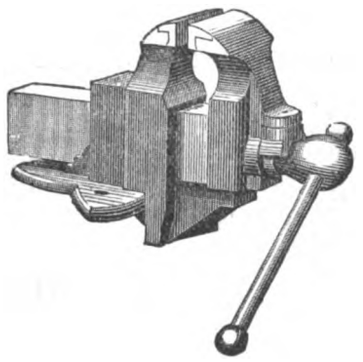
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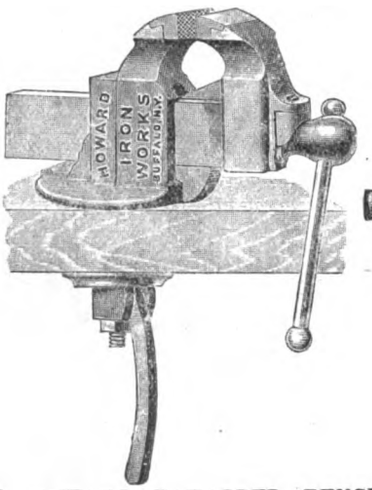
HOWARD IRON WORKS,

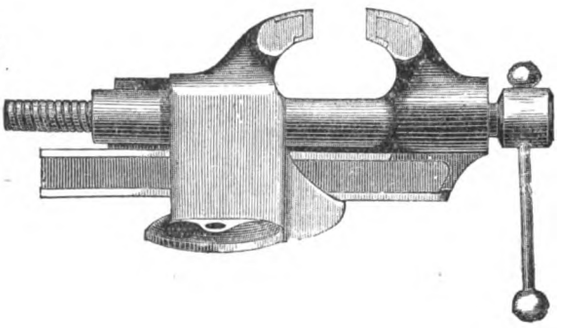
ESTABLISHED 1850.

—: BUFFALO, N. Y. :—

BENCH VISES.







HOWARD PARALLEL BENCH VISE.
FIXED.

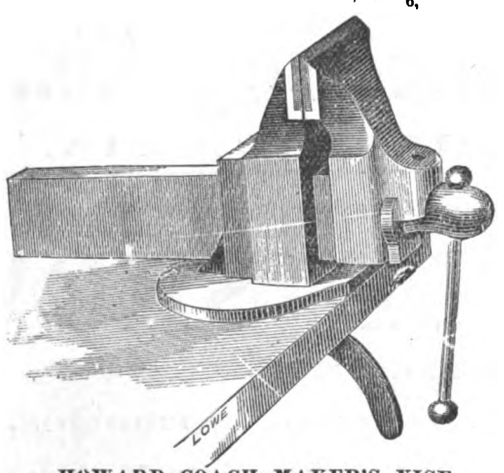
No. 0,	Length of Jaw,	3	in.,	weight,	25½	lbs.	$5.50
" 1,	"	"	3½	"	"	31½	"	6.50
" 2,	"	"	4	"	"	41	"	8.50
" 3,	"	"	4½	"	"	52½	"	10.75
" 4,	"	"	5	"	"	93	"	16.00
" 5,	"	"	6	"	"	113½	"	23.75
" 6,	"	"	7	"	"	184	"	34.50

HOWARD PARALLEL BENCH VISE.
SWIVEL.

No. 00,	Length of Jaw,	2	in.,	weight,	7½	lbs.	$4.00
" 0,	"	"	3	"	"	31¼	"	6.25
" 1,	"	"	3½	"	"	38½	"	8.00
" 2,	"	"	4	"	"	48	"	10.00
" 3,	"	"	4½	"	"	61	"	13.25
" 4,	"	"	5	"	"	104½	"	18.50
" 5,	"	"	6	"	"	129	"	2 .0
" 6,	"	"	7	"	"	194	"	36.00

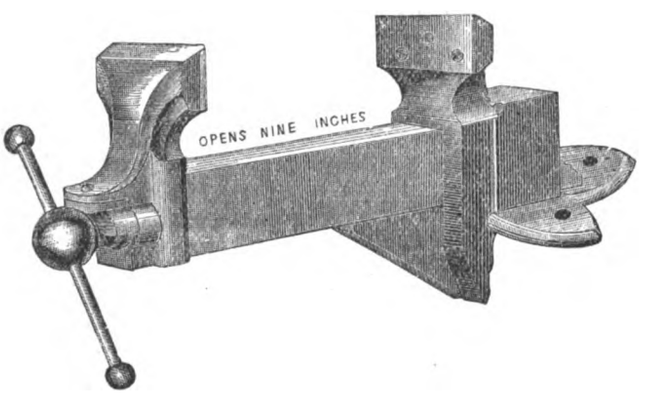
HOWARD PARALLEL BENCH VISE.

	FIXED.	**SWIVEL.**	
No. 20.	2-inch Jaw	$4.00	$4.50
" 25.	2½ "	5.00	5.75
" 30.	3 "	6.25	7.00
" 35.	3½ "	7.00	8.25
" 40.	4 "	9.00	1 .75
" 45.	4½ "	11.75	14 00
" 50.	5 "	16.25	19.25
" 55.	5½ "	20.00	23.50



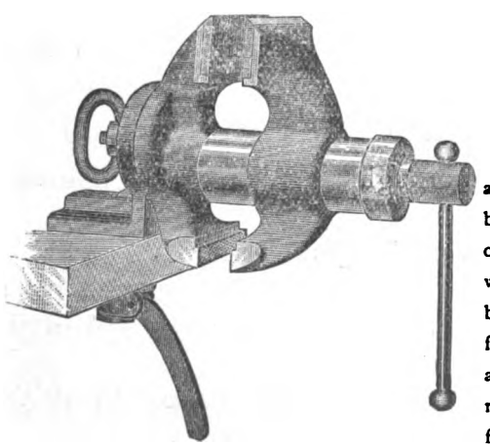
HOWARD COACH MAKER'S VISE.
SWIVEL.

No. 1, Length of Jaw 4 inches.....$12.50



HOWARD COACH MAKER'S VISE.
FIXED.

No. 2, Length of Jaw 4 in., weight 37½ lbs....$10.00



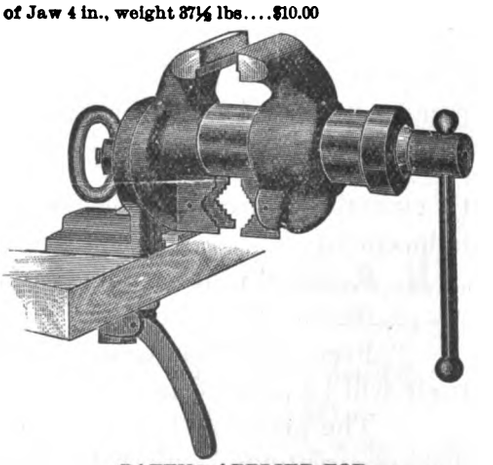
PATENT APPLIED FOR.

UNIVERSAL COMBINATION WHEELRIGHT AND METAL WORKERS' VISE.

Length of Jaw, 4½ in., opens 4¼ in., weight, 83 lbs., $15.00.

UNIVERSAL COMBINATION VISES.

These Vises are very handy mechanical appliances for general use, as they combine two different and separate vises in one. They are made very strong, and will swivel in any direction. The "Combination Pipe and Metal Workers' Vise," for instance, will be found a very useful and practical instrument in every engine room, as the engineer, with the aid of a few pipe tongs and die plates, can, in most cases, do all the small repairing and fitting of pipes, etc., himself.



PATENT APPLIED FOR

UNIVERSAL COMBINATION PIPE AND METAL WORKERS' VISE.

No 102. Length of Jaw, 4½ in., opens 4½ in., and will take from ⅝ in. diameter to 3 in. pipe; weight, 80 lbs. $15.00

No. 103. 3 in. Jaw, opens 4¼ in., and will take from ⅝ in. to 2 in. diam. pipe, wt., 52 lbs.$12.00

These Vises have been manufactured by us since 1865 and meet with general favor. They are strong and simple. Every Vise Warranted. Liberal discount to the Hardware Trade. Orders solicited.

Howard Iron Works, · Buffalo, N. Y.

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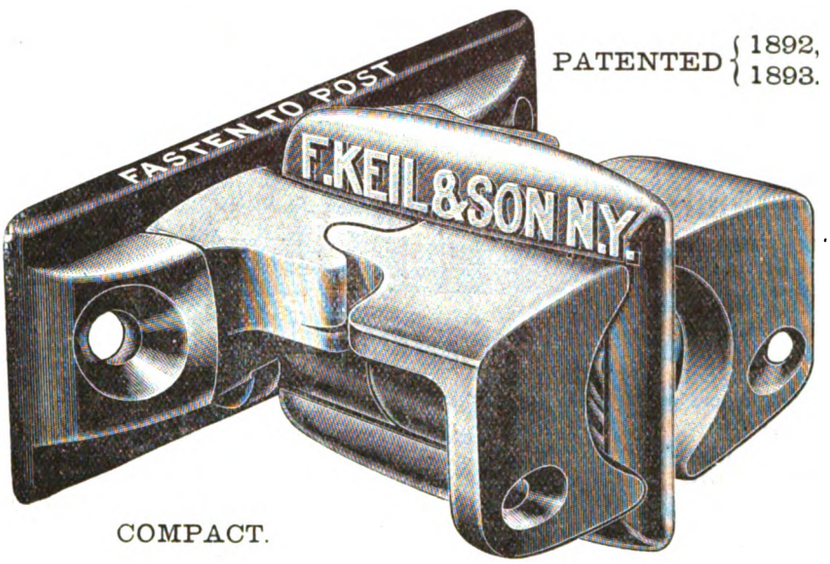
A New Hinge, Challenged to any on the American Market. They Bear the Highest Indorsement from all who have used them.

The "Superior" Spring Hinge for House Gates.

Suitable for Square Posts.

Tested Compound Springs. Rustless Finish. Weather Proof.

These Hinges are Adaptable to Numerous Purposes.



Made of Malleable Iron, and will not Break.

Exact size cut of Nos. **2750, 2749.**

Use Three Hinges on Wide Gates and Extra Heavy House Gates.

A TRUE GATE HINGE. Swings both ways, does not raise the gate as ordinary hinges do, but opens level. Is self shutting and always stops at the centre. Has no parts to get loose or out of place, is easily applied and cannot get out of order. When adjusting, TIRE BOLTS OR WOOD SCREWS may be used for both post and gate, or either, thus covering all requirements. Any catch can be used with these Hinges. None, however, are necessary.

No. 2750, JAPANNED, . . For Square Posts, . . Per Doz. Pairs, $
" 2748, " . . . " Round " . . " "

MANUFACTURED BY

FRANCIS KEIL & SON, New York, U.S.A.

FOR SALE BY

UNDERHILL, CLINCH & CO., ... 94 Chambers Street, New York.
T. W. KILEY & CO., ... 59 Grand Street, Brooklyn, N. Y.
HAINSKI & TUCKER, ... 951 Broad Street, Newark, N. J.
S. B. HUBBARD CO., ... Jacksonville, Florida.
BULLARD & GORMLEY CO., ... 78 Randolph Street, Chicago, Ill.
C. DUCOMMUN, ... 302 North Main Street, Los Angeles, Cal.

And all the Hardware Trade in General.

SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.

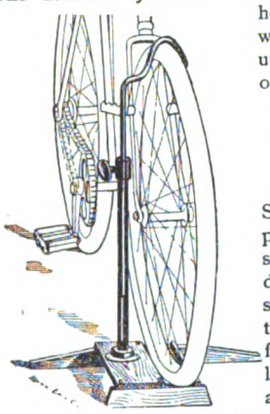


Electrotype furnished for Catalogue.

The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

WM. M. JUSTICE & CO.,
PITTSBURG, PA.

Liberal Discount to the Trade.

ANDRAE CYCLES

SHOW :

INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE
MILWAUKEE, WIS. U.S.A.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

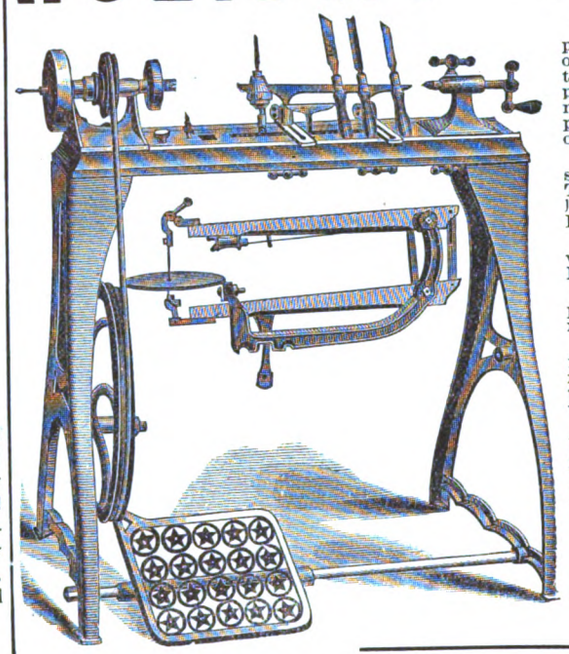
OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

HOLIDAY GOODS.



Many kinds of Scroll Saws have been put on the market by ourselves and other manufacturers during the past twelve years. Of these only a few have proved good enough to remain in demand. The call now is for a well-made practical machine, and all second-class ones are of slow sale.

Those who want a good Lathe with scroll-Sawing attachment and all Tools and Improvements to the very latest moment will buy the Goodell Lathe.

Those who want only a Scroll Saw with Drilling Attachment and Rubber Blower will prefer the Rogers Saw.

These two machines are taking the place of all others, and are now the most in demand throughout the world.

No dealer can make a mistake by laying in a stock of them. About Christmas time they are wanted in every town, and will make business lively at this otherwise dull season.

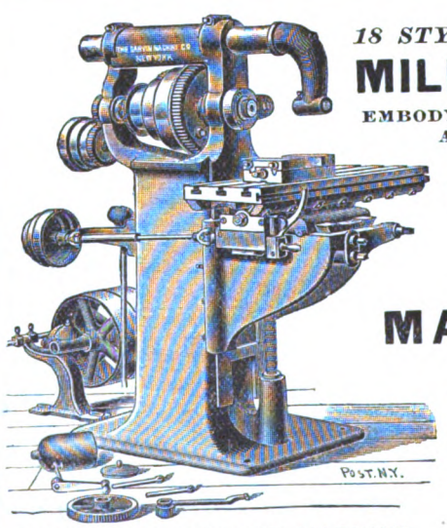
We also keep a full stock of Designs, Wood, and all other Scroll Sawing goods.

Price of Goodell Lathe complete, $12.00.

Price of Rogers Saw complete, $3.50.

MILLERS FALLS CO.,

93 READE ST., NEW YORK.



NEW No. 15 MILLING MACHINE.

WE BUILD

18 STYLES, OF *27 SIZES*

MILLING MACHINES,

EMBODYING THE MOST ADVANCED IDEAS AND ADAPTED TO EVERY VARIETY OF

MODERN

TOOL & MACHINE WORK.

IMMEDIATE DELIVERY

Can usually be made of any style or size.

MACHINE TOOLS

OF ALL KINDS IN STOCK.

☞ Write for Our 1894 Illustrated and Descriptive Catalogue.

The Garvin Machine Co.,

Laight & Canal Sts., New York.

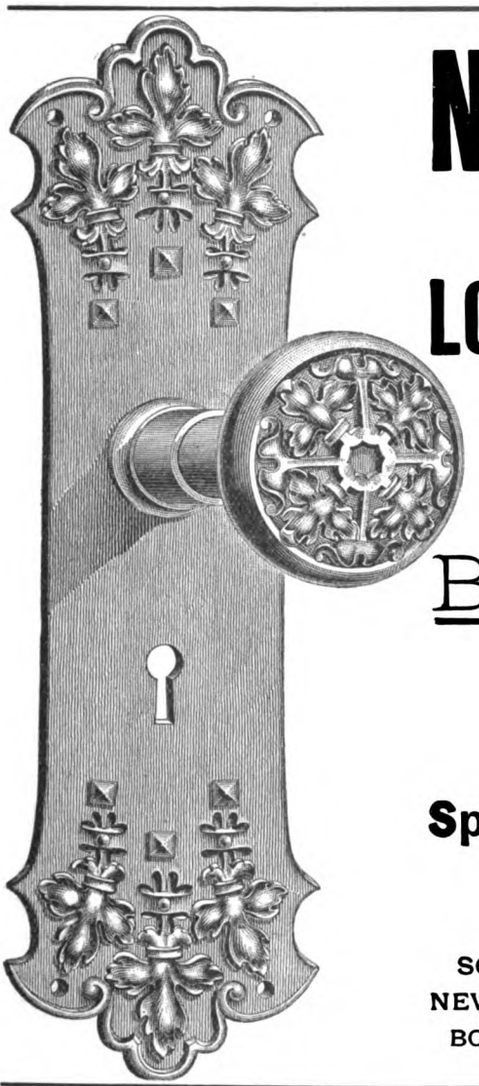
Also 51 North 7th St., Philadelphia, Pa.

NEW ENGLAND SPECIALTY CO., - **NORTH EASTON, MASS.**

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.





NORWALK LOCK CO.,

Manufacturers of

LOCKS AND BUILDERS HARDWARE.

Art Metal Work

for all requirements of

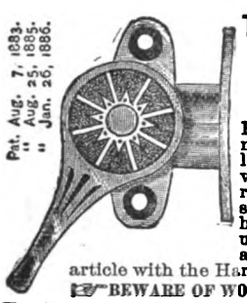
BUILDING DECORATION.

Designs and Estimates Furnished

—AND—

Special Work Solicited from Architects.

SOUTH NORWALK, CONN.
NEW YORK, 82 Chambers Street.
BOSTON, 200 Franklin Street.
BALTIMORE, 25 Hanover Street.
HENRY KEIDEL & CO.
CHICAGO, 544 Unity Building.
FOSTER & DAVISON.



Pat. Aug. 7, 1883.
" Aug. 25, 1885.
" Jan. 26, 1886.

THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a ventilator and prevents rattling. Is neat, clean, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.

Eight Tumblers. © Key Turning Both Ways.



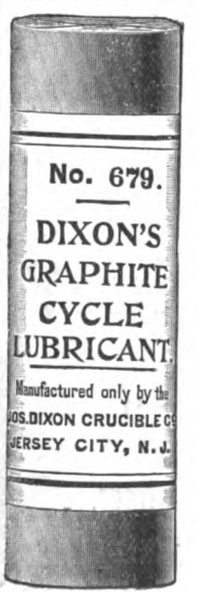
Sizes, ¼ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

AMES SWORD CO., Chicopee, Mass.

Send for Catalogue.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!



Any Hardware Dealer

Who handles Bicycle Sundries and has an eye to profit as well as perfect goods should send for a sample of Dixon's 679 Chain Lubricant and our price card. The Graphite used in it is produced only by the Dixon Company. It was introduced at the tail end of the season, but over a thousand gross of it was sold. It will be THE seller next season.

JOS. DIXON CRUCIBLE CO.,

Jersey City, N. J.

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E. W. BLISS CO.,

18 ADAMS ST.,
BROOKLYN, N. Y.

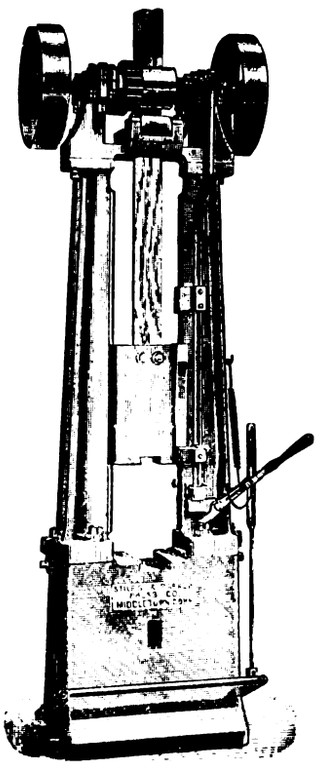
100-104 W. WASHINGTON STREET, CHICAGO, ILL.

STILES FRICTION ROLL DROP HAMMERS.

STAMPING, PUNCHING, DRAWING AND EMBOSSING PRESSES.

FOOT AND POWER SQUARING SHEARS.

DIES, SPECIAL MACHINES, ETC.



The Stiles & Parker Press Co., STILES DROP.

A Satisfied Customer The Best Endorsement.

Utley, Wis., Nov. 21st, 1894.

Geuder & Paeschke Mfg. Co.,
Milwaukee, Wis.

Gentlemen:

The Cream City Flour Bin and Sifter is duly tested, and I am pleased. I can assure you it gives the utmost satisfaction. Having previously tried one of another make, which proved entirely inadequate for the use for which it was designed, I am better able to appreciate the merits of yours. I would not be without it.

Respectfully,
Mrs. J. D. Sherwood.

Do You See the Point?

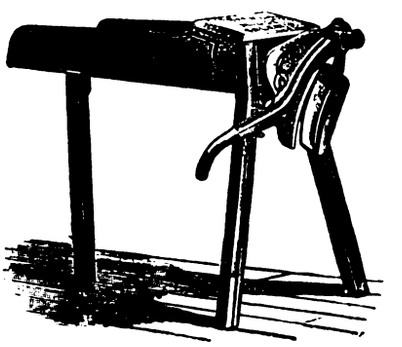
Geuder & Paeschke Mfg. Co.,

Sole Manufacturers,
St. Paul Ave. and 15th Street,
MILWAUKEE, WIS.

Central Stamping Co.,
23 & 25 Cliff St., New York,
Eastern Agents,

"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

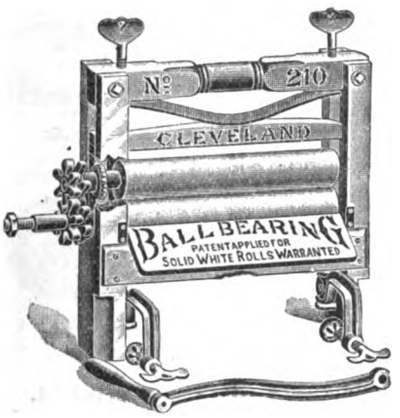
Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

"HARDWARE" has a field of its own.
That's Why
Advertisers get results.

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No More Broken Backs!

THE BALL BEARING "CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

Write for our Illustrated Catalogue.

THE PEERLESS MFG. CO., Cleveland, Ohio.

Also manufacturers of "TRIANGLE" BICYCLES.

Wm. A. Shull

PHILADELPHIA, PA.

Sole Manufacturer of the World's well known and only: **Genuine Reputable Goods**

Bearing this REGISTERED TRADE MARK

SURE *SALES*



NO DEAD OR WORTHLESS STOCK.

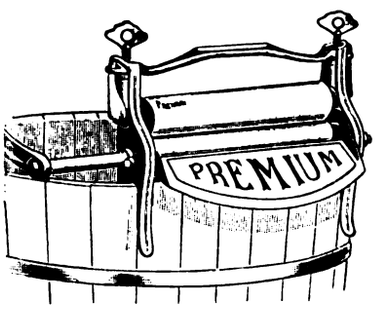
Demand these Goods from your Jobber.

Facts
ORIGINAL GOODS
ONLY GENUINE GOODS
STANDARD GOODS ON MERIT

THE profit from, and steady trade on these goods make them worthy your consideration before buying. Worthless Imitations sold only as like—"Original"—Just think—OF CAUSE TO TRY TO IMITATE.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



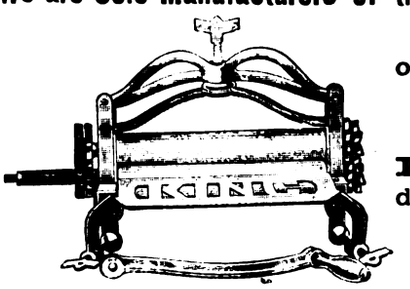
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



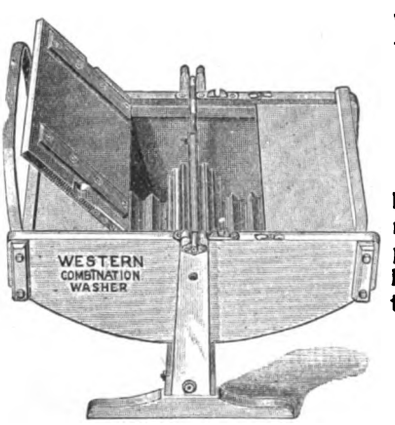
We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.



WESTERN COMBINATION WASHER

Commands the most ready sale and liberal profit. Nothing like it in the market. Send for samples on approval. Satisfaction guaranteed. Catalogue and prices mailed on application to the sole makers,

The Horton Mfg. Co.,

Fort Wayne, Ind., U.S.A.

Mention "HARDWARE" when you write.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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ESTABLISHED A. D. 1830.

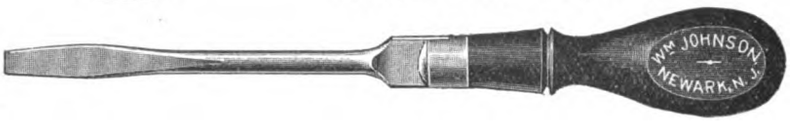
First-Class Screwdrivers in Great Variety.



The call now is for the Best. We can meet the demand. A dozen different kinds. Cheapest to the very Best.

Take no brand but

WILLIAM JOHNSON.



Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Brick, Plastering and other Trowels, Dividers, Conductors' Punches, Revolving and Spring Punches, &c. &c.

If you want good articles, insist on your Jobber sending you William Johnson's Goods.

For Illustrated Catalogue and trade discounts, write to

WILLIAM JOHNSON, Agt., Manufacturer, Hedenberg Works, Newark, N. J.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Iron



Manee's Bench
Metallic Pat.
Milk Can Handle
Milk Can Trimming
Roofing, ½ and 1 inch
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cresting
Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Copper
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barb
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



QUARRY SUPPLIES.

DERRICK IRONS,
WIRE ROPE,
TACKLE BLOCKS,
TURN BUCKLES,
SWEDE IRON CHAIN,
POWER HOISTS,
CRABS,
CROW BARS (10 to 500 lbs.),
SAW BLADES,
CAST STEEL,
T RAIL,
SPIKES,
IRON ROOFING AND SIDING
SHOP TOOLS

THE TODD-DONIGAN IRON CO.,
LOUISVILLE, KY.

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Bye and Bye, When the Goods Times Come,

People will want screens and they will want the best.

"We don't say we are Democrats," but we are in shape to furnish **the best** at the prices of inferior goods. In other words, **Republican Goods at Democratic prices!**

Nursed by the Tariff, if it were not for our competitors, we would have **The Monopoly of the Screen business.** Canadians pay 30 per cent. duty and buy our goods; so, even if our government had cut down the tariff on screens, **in order to reduce the surplus,** we would still be a monopoly, if it were not for our competitors.

However, the common people of America have been able to buy over four millions of Phillips screens and to enjoy **comfort unknown to our ancestors or to the common people of other countries.**

This has enabled us to grow from a small beginning to a capacity of 5000 screens per day, by originating desirable patterns and making reliable goods. You will want to see

Our New "Flyer" Window Screen
(Without center bars or wings.)

Our New Northwest Window Screen Frames
(With pressed steel corner plates.)

Our New "Standard Oil" Screen Door,
(The cheapest of decent Fancy Doors.)

All of which will be illustrated and described in the first January number of "HARDWARE."

THE A. J. PHILLIPS CO., - Fenton, Mich.

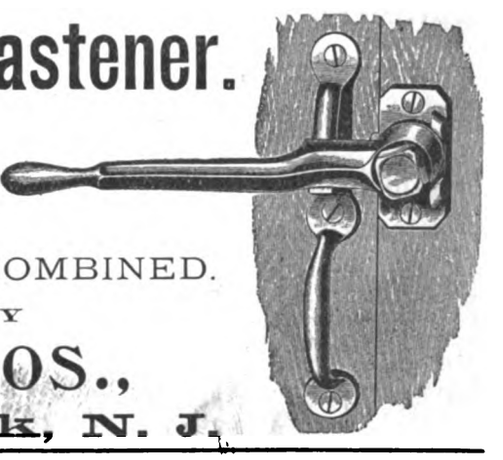
Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

Simple,
Durable,
Practical.



HANDLE and WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,
Newark, N. J.



Cuspidore Manufacturing Co.,
SOLE OWNERS OF
"Walton's" Patent Adjustable Bowl Cuspidores.

The Only Business House in the United States Devoted Exclusively to the Manufacture of Cuspidores.

Made in Cast Brass, Cast Gray and Malleable Iron, Japanned in all Colors and Fancy Striped Spun Brass and Nickel Plated, or in Silver to order.

The Best and Easiest Cleaned ever made on the market, for Hotels, Bars, Public Buildings, Banks, Offices and Private use.

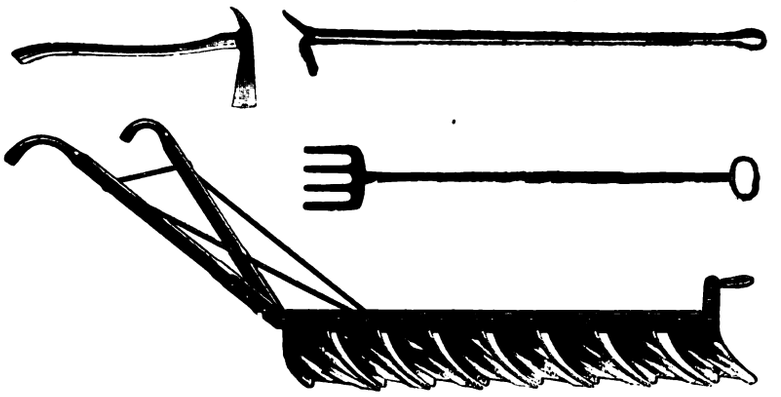
A TRIAL WILL CONVINCE YOU.

CUSPIDORE MFG. CO.,
Office and Factory, 30 Ward St., Near Market St. Depot, Penn. R. R., **NEWARK, N. J.**

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

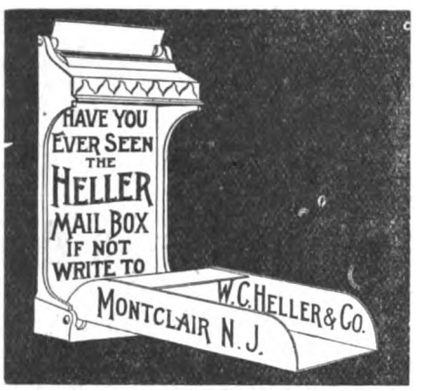
WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware & Agricultural Implements.

Send for Price Lists.



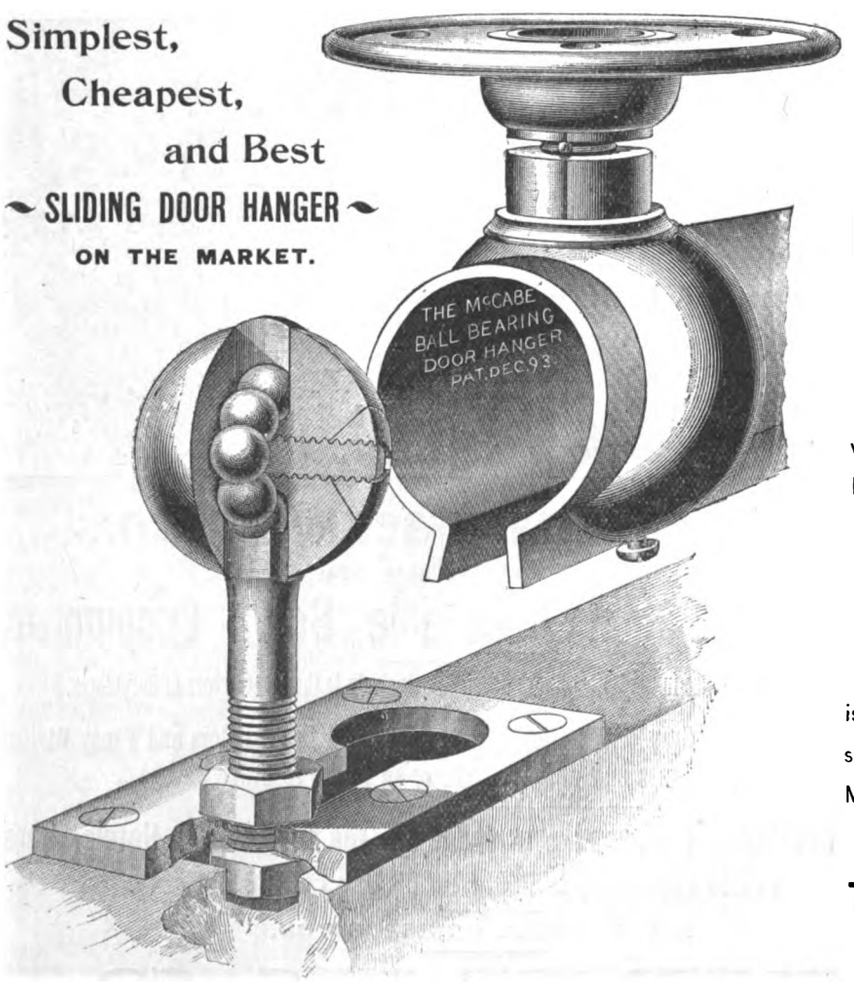
UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.

Simplest,
Cheapest,
and Best
SLIDING DOOR HANGER
ON THE MARKET.



The McCabe Ball Bearing & Tubular Door Hanger

IS THE ONLY

Ball Bearing Door Hanger

ON THE MARKET.

It is also the only Hanger having an

ADJUSTABLE TRACK,

which can be regulated without removing the Door or Casing.

The Hanger is Entirely of Steel.

Send for our Catalogue and see that it is by far the best Hanger for inside or outside use. For moving Parlor, Barn, Car, Fire, Mill, or Elevator Doors is unsurpassed.

Manufactured by

The McCabe Manufacturing Co.

256 & 257 BROADWAY, NEW YORK.

For Step Ladder Service the Hanger is Without a Peer.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,
Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

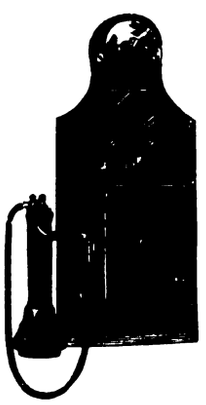
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

Carbon Battery Telephones.



They will talk all day and every day.
Long and Short distance.

SEND FOR PRICE LIST.

DEVEAU & CO.,

34 Frankfort Street, - NEW YORK.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1742.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

CONSOLIDATED 1891.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

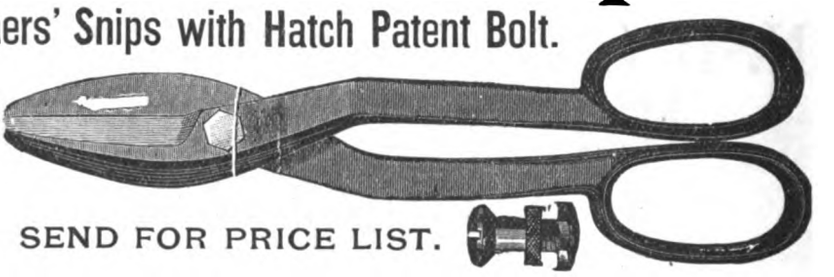


Hatch's Champion

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

THE BEST SNIP IN THE MARKET.

Tinners' Snips with Hatch Patent Bolt.

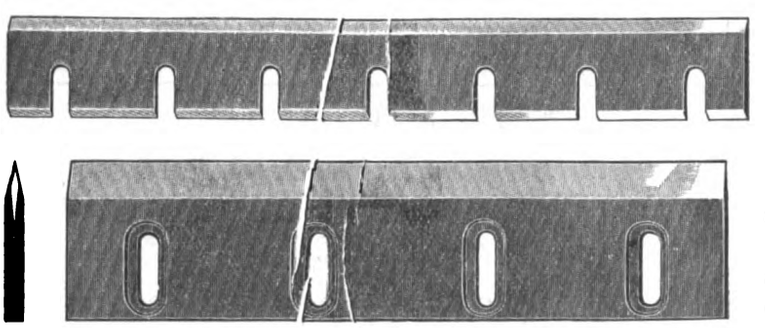


SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
Buchanan, Mich.

97 Chambers St., New York.



PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York.

Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

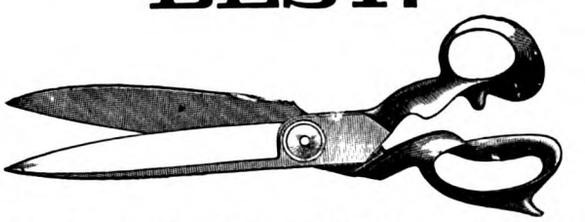
Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass can be placed name and residence, photos of society celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

ESTABLISHED, 18[illegible]. INCORPORATED, 1892.

R. HEINISCH'S SONS CO., NEWARK, N. J.

New York Office, No. 90 Chambers Street.



Tailors' Shears, Trimmers, Scissors, Tinners' Snips, &c.

CATALOGUES AND PRICES ON APPLICATION.

We have no contract with Messrs. Hermann Boker & Co. as Agents for the sale of our goods.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Dume St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & J. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & Co., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO.

THE KEENEDGE SKATE GRINDER AND SKATE HOLDER.

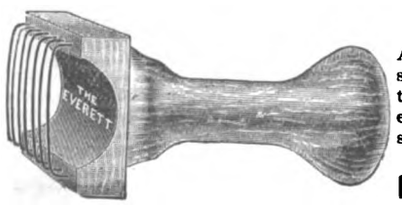
SKATE GRINDING MACHINERY

Special Discount to the Trade.

Write for prices and circular to

CHARLES PERKINS.

Bridgewater, Mass.



EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock. Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

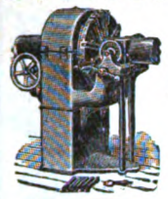
—MANUFACTURED BY—

Everett Specialty Co., Boston, Mass.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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ARMSTRONG MANUFACTURING CO.



BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.

STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.





NEW YORK OFFICE: 139 CENTRE ST.



"AN EGG'S AN EGG"

Said the boor and took the goose egg. By a similar line of reasoning some men cannot distinguish between Nail Pullers—they are all made to pull nails but do they do it? If the boor had been posted would he have chosen the goose egg? If a dealer **TRIES** the

BLACK HAWK

Nail Puller will he choose another kind? We think not. And only $9 a doz. net.

The American Specialty Co.,

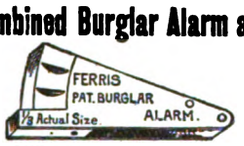
Hartford, Conn.





Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong All metal; nickel plated. Sells at sight. Sample to Dealers, 50 cents. Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.



Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—



RHODE ISLAND PERKINS HORSE SHOE CO.,

MANUFACTURERS OF **HORSE AND MULE SHOES OF THE PERKINS PATTERN.**

Specialties—X. L. Steel Shoes, Toe Weight Shoes and Goodenough Shoes.

Works at Valley Falls, R. I. Office, 31 Exchange Place, Providence, R. I.

F. W. CARPENTER, Pres. C. H. PERKINS, Gen'l Manager. R. W. COMSTOCK, Secy. CHAS. R. STARK, Treas.

STRAP HINGES

OUR PRICE NOW IS

6 in. $2.25
8 in. $2.15
10 in. $2.00
} per 100 lbs. net.

Delivered if not more than 300 miles from Buffalo.

WELL MADE GOODS.

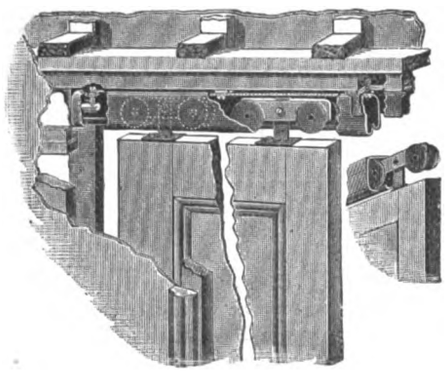
James Mann & Sons, Buffalo, N. Y.

EVERY OWNER OF A HOUSE

ought to know about the "Salem" hanger. A DOZEN TENANTS can hang a DOZEN DIFFERENT WIDTH shades and not use a screw A HOUSE TEN YEARS OLD with the "Salem" on the casing will not have one damaging screw hole, where a house without it will show HUNDREDS. The hardware trade gladly supplied with samples and prices.



The W. A. South Co., Salem, Mass.



Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





You can get everything in the line of Sheet Metal Goods from us.

PRICES WAY DOWN.

STEEL ROOFING

Corrugated Iron,

Galvanized Steel Eave Trough,
Corrugated Expanding Conductor,
Galvanized Cornice,
Ornamental Crestings, Finials, Etc.

Down! Down! go Prices. WRITE US QUICK.

J. H. Eller & Co.,

Office, 86 E. Fifth St, Canton, Ohio.

ORMONDS RHEUMATIC REMEDY

CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

ORMONDS M. C. CO.,

31 Dey Street, New York City,

A GREAT LEADER for you is WORTHLY'S PATENT **"SLOW FEED,"**

$1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,

53 Elm Street, Boston, Mass.



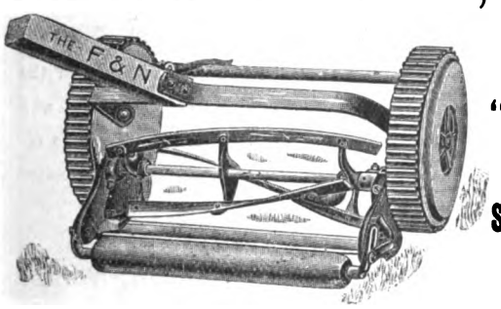
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THE F. & N. MFG. CO.,

—Manufacturers of—

Lawn Mowers and Grass Catchers,

Richmond, Ind., U. S. A.



"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

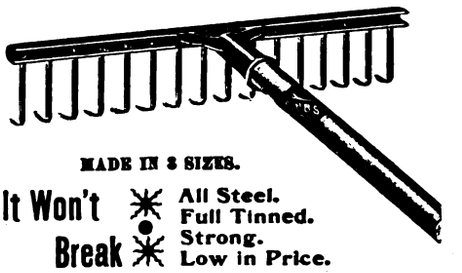
Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co., Boston Mass.

"IDEAL" GARDEN RAKE.



MADE IN 3 SIZES.

It Won't Break

All Steel.
Full Tinned.
Strong.
Low in Price.

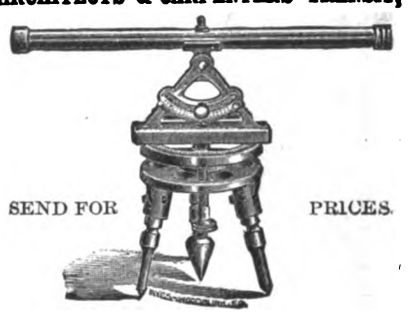
A more practical and durable RAKE cannot be found. Finely finished and very attractive.

—Write us.—

GIBBS MFG. CO., Canton, Ohio.



ARCHITECTS' & CARPENTERS' TRANSIT,



SEND FOR PRICES.

C. F. RICHARDSON & SON.
25 MAIN STREET, ATHOL, MASS.
Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK We solicit correspondence.

HAIGHT & CLARK, - - ALBANY, N. Y.

TUDOR IRON WORKS,

ST. LOUIS.

Manufacturers of

HARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

Send for our Circulars on

LAWN MOWERS,
" SETTEES,
" RAKES,
" SPRINKLERS,
Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

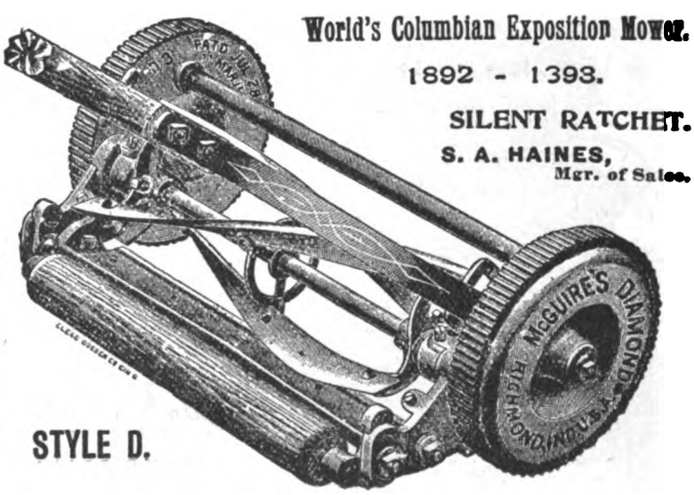
Wheels, 8 Inches High. Cutter, 5½ Inches Diameter.

LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory.
12 "	14.00	
14 "	15.00	
16 "	16.00	
18 "	17.00	

PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.
If you wish a first-class Mower in all respects, one that is fully warranted,

—BUY McGUIRE'S DIAMOND.—



STYLE D.

—OFFICIAL—

World's Columbian Exposition Mower.

1892 - 1893.

SILENT RATCHET.

S. A. HAINES,
Mgr. of Sales.

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THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearance. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses to which it may be put are:

Polishing Stoves, Ranges, etc., it has no equal.

Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.

Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.

Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where once used it is "a joy forever."

Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.

Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.

We will quote you low prices and only ask a trial order. 2 kinds of mitten and dauber made, both kinds samples 30c. to Dealers.

HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street. Boston, Mass.

No Disagreeable Odor. No Ashes. Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Height, 33½ inches. Spread of Base, 12½ inches. Nickel Finish.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞ All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

——MANUFACTURED BY——

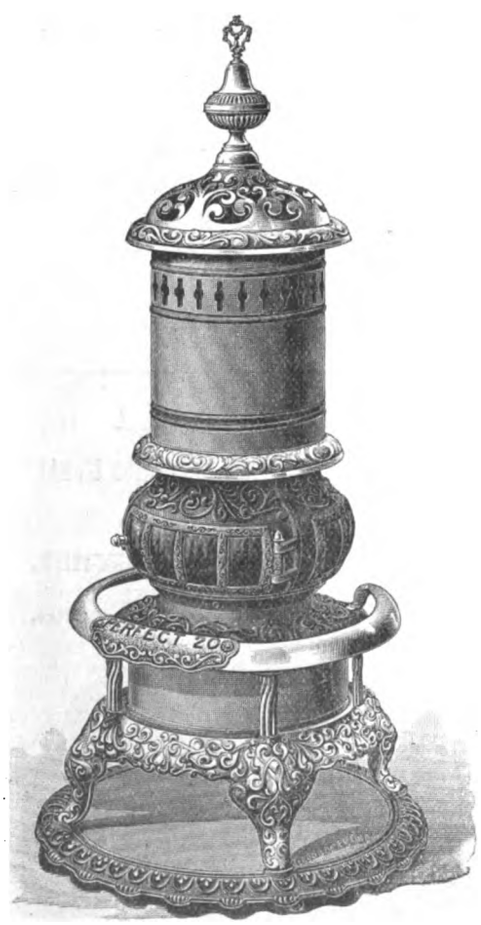
EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner. Height, 33 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., } Brooklyn, N. Y.



No. 12 Perfect.

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—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

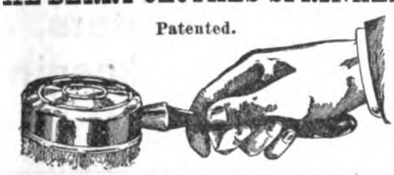
Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

An Advertisement

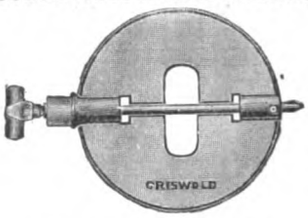
If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.





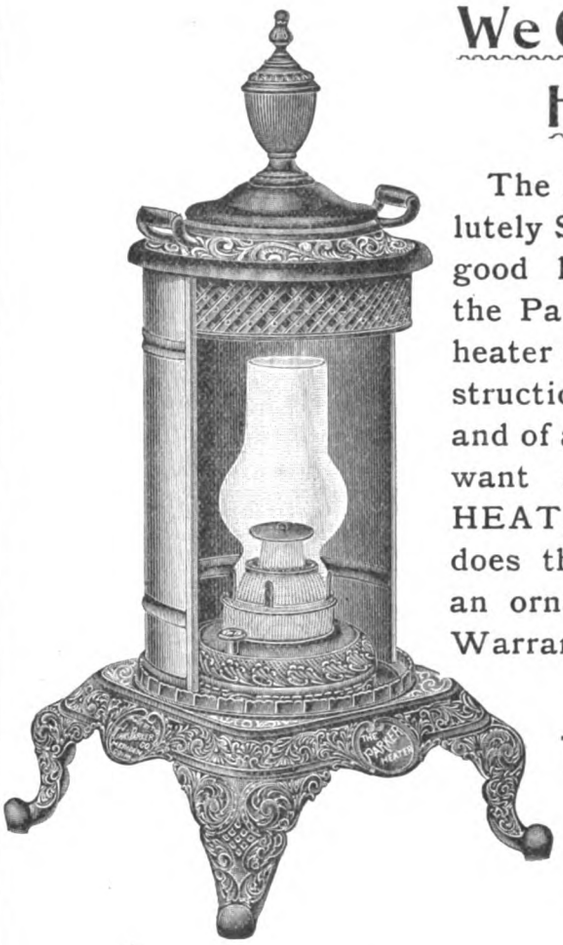
Wood or Nickel Handle.

Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE.
Send for Samples.

Griswold Mfg. Co.,
Erie, Pa.



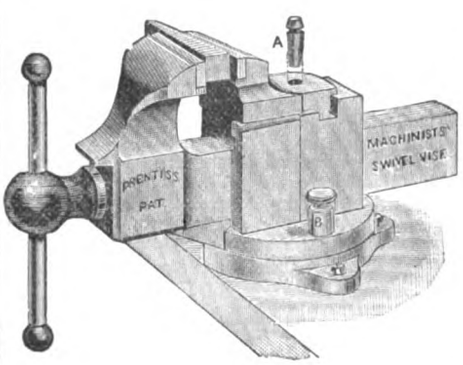
We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

THE CHAS. PARKER CO

MERIDEN, CONN.

New York Salesroom:
97 Chambers St.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

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Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.



5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

T. W. HOUCHIN,
67-69 Park Pl.,
New York, U. S. A.

HOUCHIN'S

POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & a great variety of Housekeeping Articles.

B. & W. SKATE SHARPENER.

—BEST SELLING IN THE MARKET.—



Handy to carry, does the best work, is made of malleable iron, full nickeled; the handsomest article of the kind on the market.

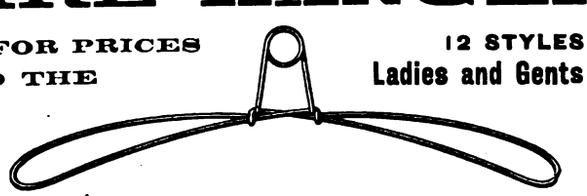
By its use the dullest pair of skates can be sharpened in five minutes, by any child old enough to skate.

In use, the side of the Sharpener forms a right angle with the file, making it practically impossible to file anything but a true plane on the skate, or to round the edges. As the file wears, it can be moved its full length on four sides, thus giving a great amount of filing surface. Put up one dozen in a box. Write for price.

GEO. M. MATTESON,
—SELLING AGENT,—
111 Duane Street, - - NEW YORK

"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO., No. 115 North Vine St., Hazleton, Pa.



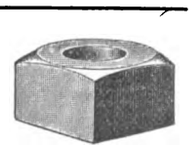
WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.





SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,
41 Montello St., Brockton, Mass.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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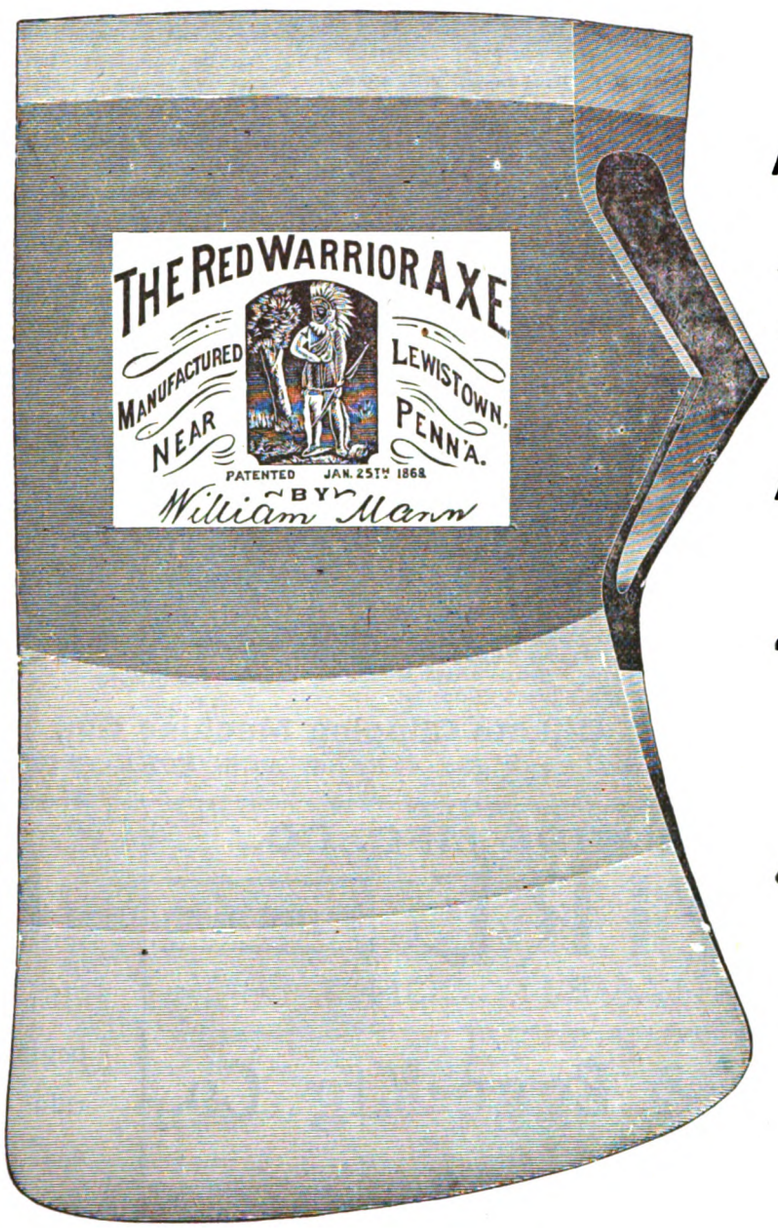
THE AMERICAN AXE AND TOOL CO.,

Telephone Number, 1023 Cortlandt.

253 BROADWAY, - - NEW YORK.

MANUFACTURERS OF

BLOOD,
HUNT,
LIPPINCOTT,
REDWARRIOR,
MANN,
HURD,
PEERLESS,
JAMESTOWN,
ROMER,
FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of

AXES,
HATCHETS,
BROAD AXES,
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Grass Hooks, Corn Knives, Bush Hooks, Planters' Eye Hoes, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK:

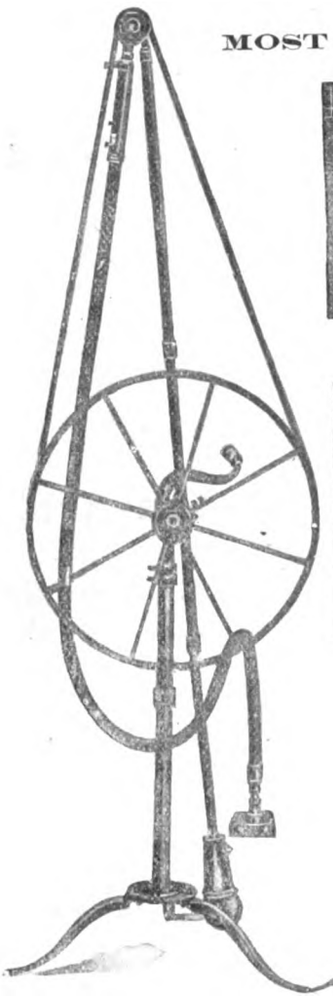
Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

JOB LOTS of AXES, ALL GRADES and PATTERNS.

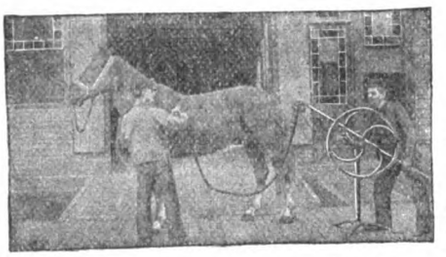
HEADQUARTERS FOR "PRIZE WINNER" HORSE CLIPPERS.

Hand, Bicycle, Electric and Steam Power.

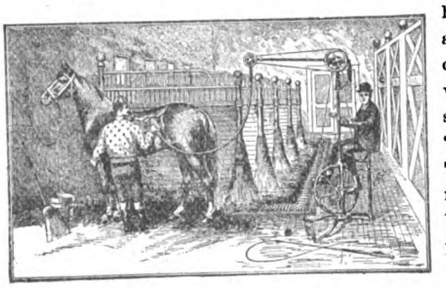
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



MODEL D.—"Champion," Prize Winner, Steel Wheels, Nickel plate. Price $50.00.



MODEL B.—Hand Power. Price $50.00.



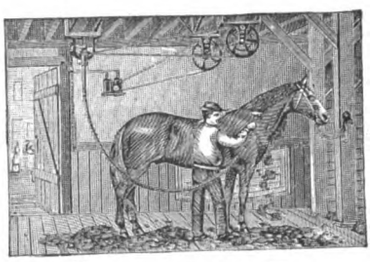
CYCLONE CLIPPER (BICYCLE). Price $75.00.

THE CHAMPION. First Prize. Highest Grade.

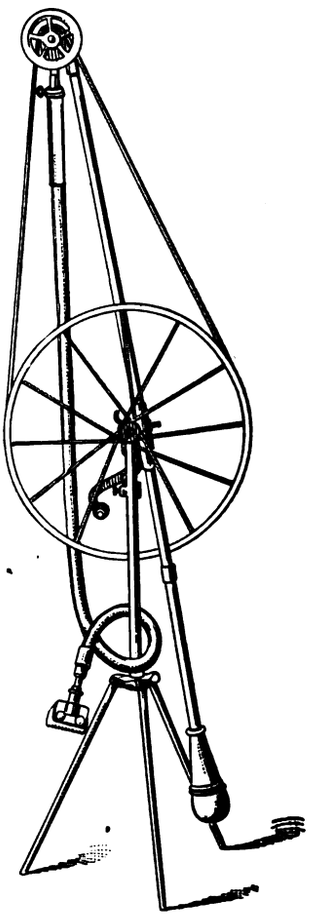
Handsomely nickel plated and japanned; steel hubs, rims, spokes, bushing and spindles Very strong and light. With the latest patent 'Leader" knives and handle. Bronze bearings. Highly finished. Price $50.

FEATHERWEIGHT CLIPPER. The Lightest Machine Made.

Weight, 25 lbs., traveling case 8 lbs.; mostly steel, bronze and malleable iron. Traveling case, canvas covered, nickel plated lock, 3 hinges, 6 slats, leather handle, also 1 gal. of oil, one oil can, one can of grease and wrench with each machine. Flexible shaft, two knives, the latest "The Leader" and handle. The only portable machine made. Price $35. Send $10. balance C.O.D. Guaranteed perfect.



POWER YOKE CLIPPER. Price $75 00.



MODEL E. FEATHERWEIGHT. Price $35.00.

Gillette Clipping Machine Co.,

201 EAST 23d STREET, NEW YORK CITY.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.

NEW HAVEN, CONN.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₱ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball..$1.75 25&2%
B.B. Caps, Con. Ball, Swgd...$2.00 2%

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers $1.20.....7½&2%

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $10 ₱ M.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₱ 1000—

B.E., 11 up	.83c	
B.E., 8	.96c	
B.E., 7	$1.10	25%
P.E., 11 up	1.15	
P.E., 9&10	1.50	
P.E., 8	1.70	
P.E., 7	1.80	25%

SHOT—
Drop Shot, sizes smaller than 8, 25-₤ bags ₱ bag.....$1.15
Drop Shot, sizes smaller than 8, 5-₤ bags, ₱ bag.....$ .35
Drop Shot, 8 and larger sizes, 25-₤ bags, ₱ bag.....$1.40
Drop Shot, 8 and larger sizes, 5-₤ bags, ₱ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₱ bag.....$1.40
Buck and Chilled Shot, 5-₤ bags, ₱ bag.....$ .35
Dust Shot, 25-₤ bags, ₱ bag.....$1.75
Dust Shot, 5-₤ bags, ₱ bag.....$ .45

POWDER—
Laflin & Rand:

Rifle extra, kegs	25 ₤	$3.25
	12½ ₤	1.90
	6¼ ₤	1.10
Rifle special, kegs	25 ₤	4.25
	12½ ₤	2.40
	6¼ ₤	1.35
Creedmoor, kegs	6¼ ₤	1.10
Ducking, kegs	6¼ ₤	3.00

[For 1 ₤ lots 10% discount.]

Blasting and Mining, A	25 ₤	2.00
Blasting and Mining, B.		1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 ₤.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤.....1.90
"V. G. P." f r Trap Shooting, in Kegs, 6¼.....1.10
Ch ke Bore, Nos. 5 and 7, in Kegs, 25 ₤.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤.....1.35
Meal'd Powder, in Kegs, 25 ₤.....4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black.....1.70
Drum, equal in bulk to 10 ₤, best black.....8.25
Drum, equal in bulk to 50 ₤, best black.....41.00
Drum, equal in bulk to 100 ₤, best black.....82.00
Discounts on application.

Anvils—

Eagle Anvils, ₱ ₤ 10c.....15%
Peter Wright's.....11½c
Armitage's Mouse Hole.....10@10½c
Trenton.....10@10½c
American "Horse-Shoe".....11½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....50%

Augers and Bits—

Auger Bit Association....70&10&10%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives, French, Swift & Co., Douglass'.....35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₱ doz. $60.....40%
Swan's.....40%
Steer's No 1, $26; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Shepardson Diamond ₱ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₱ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg ₱ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₱ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₱ doz., $1.50..25&30%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₱ doz. $7.50; No. 20, ₱ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....₱ doz. 9.00
Yankee.....₱ doz. 10.00
Wide Bit.....₱ doz. 10.00
Rockaway.....₱ doz. 10 00
Dock.....₱ doz. 15.00
Firemen's.....₱ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₱ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₱ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₱ doz.....$18.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 24 ₤.....₱ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 80
Chatillon's ₱ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise.....20%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Tulip Gongs...50%

DOOR—
Gong, Abbe's.....45%
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s...50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Han t.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₱ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₱ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $8; No. 3, $3.60 ₱ doz.....25%
Millers Falls ₱ doz. $4.50.....25%
Wm. Johnson's:
7½x⅞x1, ₱ doz. $11.00.....50%
9x⅞x1, ₱ doz. $12.00.....50%

Bit Holders—

Extension:
Millers Falls Barber's, ₱ doz. $15 50%
Ives' ₱ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic.....₱ doz. $3....33⅓%
Excelsior..₱ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₱ set $1.00.....20%
Austin & Eddy ₱ gro.....$9.00
Forbans Improved Star Tenon ₱ gro. $1.00.....25%
Mackerell's, ₱ doz. $2.00.....60%
Merriman's Brass Lever ₱ gr. $15.00
Merriman's Iron Lever ₱ gr...$9.00
Security Gravity ₱ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₱ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....80&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....80%
Eagle Phila., list Oct. 16, '84....80%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—

Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75..45@ 45&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls		7.50.... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

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Amidon's:
Barker's Imp'd Plain...75&10@30%
Barker's Imp. Nickeled..65&10@70
Ratchet.....75&10@30%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50@50&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 26, 37.....70&10&5%
Ball Braces, net, ₩ doz. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....85&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....25&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....75%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....66⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $2.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....75%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 5, Iron Handle, ₩ gr. $4....45@50%
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50.....70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points, ₩ doz. 85c 20%
Bullard's.....20%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $15.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap.....₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Parlor Queen.....₩ doz. $24 00
Standard.....₩ doz. $24.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '84.....70%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%

COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Steel.....33⅓%

Chain—
Trace, 6½-10-2, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-2, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's..70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddell's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Doub'e.....75%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓&5
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—
Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $20.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} .75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....30%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....30%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50@11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

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Egg Poachers
Morgan Steam, No. 3. No. 5.
℔ doz. $4.20 $6.00.....40%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF FF.
Kegs, ℔ lb.	4½c	5c	2½c
½ kegs, ℔ lb.	4½c	5½c	2¾c
¼ kegs, ℔ lb.	5c	5½c	3c
10 lb cans, 10 in case....	6c	½c	5c
10 lb cans, less than 10..	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ℔ gro $4.50
No. 6, ℔ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's 40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00.....20%
Lane's ℔ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....35%
Eagl.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't & S. 50 10%
IMPORTED—
Moss & Gamble, List April 1, 1888. 15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—
Knox.....35%
Geneva Hand Fluter, White Metal, ℔ doz. $12.00....25&2%
Crown Fluters.....30%

Fluting Scissors—
List.....45%

Fly Fans—
Columbia.....10%
Fowlers ℔ doz.....$21.00
Keyless M. & I. Co. ℔ doz.....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co.....25%
Henis .....℔ doz $3.50
Shepard's Queen City.....40%

Fry Pans—
Standard List:

No.....	0	1	2	3	4
℔ doz..	$3.00	$3.75	$4.35	$4.75	$5.35
No.....	5	6	7	8	
℔ doz.....	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—
Bolgiano's New Hot Air Perfection Gas Iron.....℔ doz. $18.00

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch .....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ℔ doz $2.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets 40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ℔ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's.....℔ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ⅛ in. Jute.....
Rope, ¼ in. Hemp.....
Web and Rope Halters..... 33⅓%
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
Upson & Wooding.....40%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley... 40&10@50&
Atha Tool Co..... 10%
Fayette R. Plumb.....
C. Hammond & Son, List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ℔ doz.....
Nos. 1, $3; 2, $6..... 33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ℔ doz. $6.25.45%
Upholsterers Heavy, ℔ doz. $7.60 45%
Upholsterers Usual French, ℔ doz. $10.00.....45%
Upholsterers Solid Steel, French ℔ doz. $20.00.....30%
Upholsterers Rosewood Handles, ℔ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 lb...℔ lb 45c
3 to 5 lb.....℔ lb 35c 75@75&10%
Over 5 lb.....℔ lb 30c
Wilkinson's Smiths...10½c@11c ℔ lb

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.....	0	1	2	3	4
Per doz.....	$.90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%
STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%
DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00 30@
Apple Firmer Chisel, as.. ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 3.00
Worcester Leather Cap'd Chisel. 25%
File, assorted..... ℔ gr 2.75
Auger, assorted... ℔ gr 5.00 30@
Auger, large..... ℔ gr 7.00
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....℔ set $1.25
Pat. Auger, Swan's.....℔ set $1.00
Miller's Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%
CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion 15c
Gwinner's Sensible.....33⅓%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track.....65%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ℔ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge. 25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $3.00; No. 2, $3.00.....30%

Hay and Straw Knives—
Lightning. Mfrs' price ℔ doz $18.00, 45%
Gem.....℔ doz $10
Wadsworth's.....40%
Carter's Needle..℔ doz $11.50@$12.00
Heath's.....℔ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point 50%
Auburn Straw.....40%
Nolin's Hay.....℔ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ℔ lb 3 9-10c; 14 to 20 in., ℔ lb 3 4-10c; 22 to 36 in., ℔ lb 2 9-10c
Heavy Welded Hood... { 6 to 12 in., ℔ lb 3 9-10c; 14 to 20 in., ℔ lb 3 4-10c; 22 to 36 in., ℔ lb 2 9-10c
Screw Hook and Eye. { ½ in., ℔ doz $1.50; ⅝ in., ℔ doz $2.45; ¾ in., ℔ doz $3.80 } 10%
Rolled Blind Hinges Nos. 32 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 lb $5.75, over 14 in., ℔ 100 lb.....$4.75
SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise 55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....25&10%
Empire and Crown.....20%
Stover Ideal ℔ gro.....$13.00
New Idea ℔ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....20%
Oxford.....20%
Barker's Double Acting...25@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex 40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion 55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....80%
Rubber.....66⅔%
GATE HINGES—
Western.....℔ doz $4.40, 60%
N. E .....℔ doz $7.00, 55%
N. E. Reversible. ℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....℔ doz $5.00, 55&10%
Automatic.....℔ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing.....50%
BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer 30%
Clark's Nos. 1, 3, 5, 40 and 50.....60%
Clark's Mortise Gravity.....50%
Sargent's 75%
Shepard's:
Noiseless.....75&10%
Niagara.....80%
Buffalo.....80%
Clark's Genuine Pattern.....60%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3.....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.....60%
Planter's Cotton, &c.....80%
Warren Hoe.....65%
Magic.....℔ doz $4.00
Dunlap's:
Boys' hoes.....℔ doz $3.00, 30%
Ladies' hoes.....℔ doz $3.00, 30%
Scuffle 30%
EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ℔ doz $1.25
Hill's Tongs.....℔ doz $3.00
Hill's Rings...℔ doz bxs $3.15@$1.00
Perfect Rings. ℔ doz bxs $1.60@$1.70
Perfect Ringers...℔ doz $2.15@$2.25
Blair's Hog Ringer ℔ doz $2.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers.....℔ doz $3.00
Champion Rings, Double, ℔ doz $2.25
Brown's Ringers.....℔ doz $3.00
Brown's Rings.....℔ doz $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground .....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....70@70&5%
Triumph Broilers.....50%
SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co..... 40&5%
Simpson, Hall, Miller & Co.. .....
Rogers & Brother.....

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Hartford Silver-Plate Co. } 40&5&5
William Rogers Mfg. Co. }

Hooks—
CAST IRON—
Bird Cage, Sargent's list } 60&10&10
Bird Cage, Reading.... }
Clothes Line, Sargent's list. }
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@50 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Ores't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Celling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....35%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	....15%
American	9¾	9¾	9¾	9¾	9¾	....net
Ausable	28c	26c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	26c	25c	24c	23c.	40&10&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	....25%
Northw't'n	25c	23c	22c	21c	20c.	25@25&5%
A. U.	25c	23c	22c	21c	21c.	35&10@33⅓&5%
C. B. K.	25c	23c	22c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	22c	21c.	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	28c	21c	20c	19c	18c.	.40&5%
Champion.	25c	23c	22c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	.10&5%
Anchor	28c	21c	20c	19c	18c.	....35%
Western	28c	21c	20c	19c	18c.	....50%
Empire Bronzed						13@14c ₩ ℔

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen..	$14.40	$18.00	$20.64	$23.40
Each...	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen..	$27.00	$32.40	$41.58	$49.50
Each...	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	28x18½
Dozen..	$55.34	$79.20	$108.90	$136.62
Each...	5.45	6 60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05

Quarts.	12	16	18
Inches.	12x9	13x9½	14x10
Dozen..	$14.40	$18.00	$20.64
Each...	1.20	1.50	1.72
Quarts.	20	24	32
Inches.	15x10½	16x11	17x11½
Dozen..	$23 40	$27.00	$32.40
Each...	1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz. 85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs.....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.35 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....65⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deitz Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 149 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Blaymaker, Barry & Co.
No. 1010 line.....90&40%
No. 41 line.....50%
No. 61 line.....60%
No. 21 line.....80%
No. 427 line.....80%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each.	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter. ₩ doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.)
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list,50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co..... 50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.

	Sq.	Hex.
Hot Pressed	5.50c	6.10c
Cold Punched	5.10c	5.20c
Cold Pressed C. & T.	4.80c	

In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔. net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¾ to 3x⅝ to ⅝ at back, ½ to 5-16 edge ₩ ℔ .80
No. 1, (same sizes as above) " .70
No. 2, " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ ℔..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 3.50
No. 1, 8 to 12x1¾ to 2¼x¾ to 1¼, ₩ ℔..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔..... 4.00
No. 2, assorted sizes, ₩ ℔..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ ℔..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ ℔ .08
Washita Finish, about 8x2x¾ to 1¼, ₩ ℔..... .10

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Round Edge Slips, about 6x1⅛ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb ..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb ..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross ..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb ..... .06
Small Axe, about 3x2x⅛ to 1 ₩ lb ..... .10
Special Axe, 2½x1¼x⅛ ₩ lb ... .18
Pike's Sandstones:
Small, 3x1¼x1¼, weight about 1 lb, ₩ lb ..... .05
Medium, 3 to 3½x2x1¼, weight about 1½ lb, ₩ lb ..... .05
Large, 3½ to 9x2½x2, weight about 2 lb, ₩ lb ..... .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb ..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb ..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" 60%
"Excelsior" Self-Vulcanizing, per lb 70c 40%
Boston "Phoenix" Red Sheet, per lb 50c.net
N. Y. B. & P. Co., Standard 50%
N. Y. B. & P. Co., Empire 60%
N. Y. B. & P. Co., Salamander ... 25%
N.Y.B. & P. Co., 1846-Para ... 40&10%
N.Y.B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon ..... 60&10%
Standard ..... 60&10%
Extra ..... 50&10%
Cleve. Rubber Co., Buckeye 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL 50%
Jenkins' Standard ... ₩ lb 30c. 35&5%
MISCELLANEOUS—
American Packing ..... 10c@11c ₩ lb
Russian Packing ..... 14c ₩ lb
Italian Packing ..... 13c@14c ₩ lb
Cotton Packing ..... 15c@17c ₩ lb
Jute ..... 7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance ..... ₩ doz $4.75
Baldwin ..... ₩ doz 5.25
Bonanza ..... ₩ doz 5.00
Daisy ..... ₩ doz 4.00
Dandy ..... ₩ doz 7.50
Eureka, 1888 ..... each 16.00
Family Bay State ..... ₩ doz 12.00
Favorite ..... ₩ doz 5.00
Ideal ..... ₩ doz 4.00
Improved Bay State ₩ dz.. $27@30.00
Little Star ..... ₩ doz 4.50
Monarch ..... ₩ doz 13.50
New Lightning ..... ₩ doz 5.50
Penn ..... ₩ doz 4.00
Perfection ..... ₩ doz 4.00
Pomona ..... ₩ doz 4.00
Rocking Table ..... ₩ doz 6.00
Turntable ..... ₩ doz 4.50
Waverly ..... ₩ doz 4.00
White Mountain ..... ₩ doz 4.00
72 ..... ₩ doz 4.25
78 ..... ₩ doz 7.00
Oriole, ₩ doz $5.00 ..... 20&10%
Victor, ₩ doz $15.00 ..... 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain ..... ₩ doz $4.50
Antrim Combination ..... ₩ doz 5.50
Hoosier ..... ₩ doz 13.50
Saratoga ..... ₩ doz 5.50

Pencils—
Faber's Carpenters' ..... high list 50%
Faber's Round Gilt ..... ₩ gro $5.25
Dixon's Lead ..... ₩ gro 4.50
Dixon's Mascot, Round .. ₩ gro. $3.10
Dixon's Mascot, Hexagon. ₩ gro. 3.38
Dixon's Lumber ..... ₩ gro 6.37
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead ..... ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00 ..... 60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding 50%
Bench, First Quality 55%
Bench, Second Quality 60%
Bailey's (Stanley R. & L. Co.) 40%
C. E. Jennings & Co. ..... 50&10%
U. S. Ship 45%
U. S. Grooving 40%
Fales Bench 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's 40%
Victor 20%
Miscellaneous 25%
Steer's Iron Planes ..... 40@40&10%
Meriden Mal. Iron Co.'s .. 40@40&10%
Davis's Iron Planes ..... 40@40&10%
Gage Tool Co.'s Self-Setting .. 20&10%
Chaplin's Iron Planes ..... 40@40&10%
Sargent's ..... 40&10%
Standard Tool Co. ..... 50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's ..... $5.00@$5.25 to £
Buck Bros. 30%
Auburn "Thistle" } 25%
Ohio } 25%
Sandusky } 25%
S. & I. J. White 25%
Stanley Rule & Level Co. 50%
C. E. Jennings & Co. ..... 25&10%
Hinsdale ..... 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers 33⅓%
Hall's X American Pliers 20%
Hall's Side Cutting Pliers 30%
Hall's Nippers 30%
Button's Patent 50%
Humason & Beckley Mfg. Co. 50@50 &10%
Gas Pliers 60%
Eureka Pliers and Nippers 40%
P. S. & W. Cast Steel 50%
P. S. & W. Tinners' Cutting Nippers ..... add 6% dis. 10%
Carew's Pat. Wire Cutters 20%
Swiss Pliers 25%
Stubs' 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00 ..... 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6¼ in ₩ doz. $2.90
Wm. Johnson's Gas Pliers 66⅔%

Plumbs and Levels—
Millers Falls 33⅓%
Stratton's Nos. 1, 10, 11, 12 ..... 25%
Stratton's Nos. 2 to 8 ..... 50%
Cook's ..... 40&10%
Stanley's 75%
Regular List 75%
Disston's 50%
Pocket Levels 70%
Davis' Iron Levels ..... 20&10%
Davis' Inclinometers ..... 10&10%
Wood's Extension Sight 30%
Plumb Bobs 40%
Wm. Johnson's 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz 10%
J. P. Lovell's Police Goods 25%

Polish, Metal—
Prestoline ..... 30&10%
Prestoline Paste 33⅓%

Polish, Stove—
Joseph Dixon's ..... ₩ gro $6.00, 10%
Gem ..... ₩ gro $4.50, 10%
Lustro ..... ₩ gro $4.75
Rising Sun, 5 gro lots ..... ₩ gro $5.50
Dixon's Plumbago .. ₩ 100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw ..... ₩ doz $18.00, 25%
Disston's Pruning Hook ..... ₩ doz $12.20, 25&5%
Seymour Smith & Son's ..... ₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%
Pruning Shears, Henry's Pat. ₩ doz ..... $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination ..... ₩ doz $12.00, 20%
Dunlap's Saw and Chisel ..... ₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&3%

Pulleys—
Axle 60%
Dumb Waiter 60%
Ceiling ..... 60&10%
Hot House 66⅔%
Upright ..... 60&10&10%
Screw ..... 60&10&10%
Clothes Line ..... 55@60&10%
Awning ..... 60&10&10%
Empire Sash Pulley 60%
Common Sense 60%
Moore's Sash, Anti-Friction 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50 ..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.72 ..... 50%
Shade Rack 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel ₩ doz $13.00 ..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers ..... 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro:
No. 1, Fig 328, 3 in. Shallow Well Pump $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump $15.00
No. 5, Fig 307, 3 in. Deep Well Pump $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump $17.00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump $15.00
No. 32, Fig. 523, 3 in Deep Well Pump $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump $14.00
No. 9, Fig. 332, 3½ in. Shallow Well Pump $17.00
No. 70 Fig. 333 2½ in Deep Well Pump $15.00
No. 72, Fig 333, 3 in. Deep Well Pump $15.00
No. 73, Fig. 333, 3½ in. Deep Well Pump $18.00
No. 102, Fig. 448, 3 in. Lift Pump $10.00
No 128, Fig. 448, 3½ in. Lift Pump $14.00
No 128, Fig. 510, 3 in. Lift Pump $7.00
No 131. Fig. 510, 3½ in. Lift Pump $8.00
No. 225, Fig 389, Windmill Pump $12.50
No. 230, Fig. 402, Windmill Pump $13.50
No. 235, Fig. 403, Windmill Pump $14.50
No. 240, Fig. 406, Regulator Pump $30.00
No. 280 Fig. 464, Imperial Cyclone Pump $18.00
No. 265, Fig. 502, Cyclone Tank Force Pump ..... $ 7.00
No. 267, Fig. 483, Geyser Tank Force Pump $17.00
No. 268, Fig 513, Low Down Tank Force Pump $16.00
No. 302, Fig. 477, Spray Pump complete $11.50
No. 320 Fig. 492, Bucket Spray Pump 26.50
No. 33, Fig 517, Knapsack Spray Pump $15.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 90@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $3.50@3.60
Spring, Leach's Pat. 15%
Bemis & Call Co.'s Springfield Socket 65%
Bemis & Call Co.'s Spring and Oheck 50%
Solid Tinners', P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co. ..... 20&2%
Rice Hand Punches 15%
Avery's Revolving 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots 33⅓%
Lesser quantities 20%
Niagara Hollow 20%
Niagara Solid 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet.. $2.15 2.70 3.25 ... net
Terry's Steel Rail, ₩ foot 4½c
Victor Track Rail, 7c ₩ foot ... 50&2%
Carrier Steel Rail, ₩ foot 4½c
Moore's Wrought Steel ..... 25&10%

Rakes—
Cast Steel, Association goods 70%
Cast Steel, outside goods ..... 70&5%
Malleable ..... 70@70&5%
Oneida Lawn ..... $6.00 doz., net
Gibbs' Lawn Rake .. net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite .... net ₩ doz $3.90
Gibbs' Acme ..... net ₩ doz. $4.75
Gibbs' Crown, No. 1 net ₩ doz $4.90
Gibbs' Crown, No. 2 net ₩ doz $5.30
Gibbs' Hustler, No. 0 net ₩ doz $4.25
Gibbs' Hustler, No. 1 net ₩ doz. $4.40
Ft. Madison Prize Bow Brace and Peerless 65%
Fort Madison Steel Tooth Lawn Rake, $6.00 ..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25 ..80s
Boys' rakes ..... ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Grand, $1.1
Hay 12 teeth ..... $2.40; No. 2 $2.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Rawdust $1.50
Gibbs' Garden:
Boss, No. 14 ..... net ₩ doz. $2.95
Boss, No. 18 ..... net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co. 20%
Wostenholm and Butcher, $10.00 to £ ..... net
Jordan's AAA1, list Nov. 1, 1889 .. 50%
Jordan's Old Faithful, list Nov. 1, 1889 ..... 50%
Electric ..... List net
Campbell's Celebrated Warranted 50%

Refrigerator Hardware—
Franci- Keil & Son 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887 ..... 50&10%
Copper ..... 50@10%
Coopers ..... 60&10%
Block ..... 60&10%
Carriage ..... 60&10%
Hame ..... 60&10%
Belt "Bettina" with Burrs ... 50&5%
Burrs ..... 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs ..... 60&10%

Rivet Sets—
Regular list ..... 55&60%

Rods—
Stair, Brass 30%
Stair, Black Walnut ..... ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door 55%
Moore's Adjustable Stay 55%
Union Barn Door Roller 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜ ..... ₩ lb 8¼c
Manilla, ¼ and 5-16 ..... ₩ lb 8¾c
Sisal, 7-16 and larger .... ₩ lb 5¾c
Sisal, ⅜ ..... ₩ lb 6¼c
Sisal, ¼ and 5-16 ..... ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope ..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manilla ..... ⅜in ₩ lb 7¾c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope ... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal ..... ⅜ in ₩ lb 6 c
Sisal ... ¼ and 5-16 in ₩ lb 5¼c
Sisal, Hay Rope ..... ₩ lb 5¼c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope ..... ₩ lb 11@13c net
Jute Rope ..... ₩ lb 5@5c net
1% for cash in 10 days.

Rules—
Boxwood 30%
Ivory 50%
Miscellaneous, Stanley's 60%
Starrett's Rules and Straight Edges, Steel ..... 25&10%

Sad Irons—
From 4 to 10 at factory .... ₩ 100 lb $2.50@$2.75
Self-heating ..... ₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $13.00 net
Gleason's Shield and Toilet 30%
Enterprise Star Irons 30%
Chinese Laundry:
New England Butt Co. 8½c, 15%
New England 8c, 15%
Mahony's Troy Pol. Irons 15%
Sensible 30%
National Self-heating 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No 50, ₩ set ..... $ .75 net.
No 55, ₩ set ..... .70 net.
No. 60, ₩ set ..... .80 net.
No. 65, ₩ set ..... .76 net.
Outfits, No 550, each ..... 2.60 net.
Outfits, No. 555, each ..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net $3.40
Crown Sad Irons, No. 235, per dozen, net $9.00
Chinese Laundry, net ₩ lb .... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper ..... 50&5%
Emery Cloth ..... 50&5%
Garnet Paper ..... 30&5%

Sash Chain—
Giant 40%
Monarch 50%
Red Metal ..... 40&10&10%
Steel ..... 40&10&10%
Morton's:
Champion Metal 35%
Steel Cable 30%

Sash Cord—
Common ..... ₩ lb 10@11
Jute, good quality ..... ₩ lb 11
White Cotton Braided, fair. ₩ lb 2 1
Common Russia Sash ..... ₩ lb 16c
Patent Russia Sash ..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 23½c@25c
India Cable Laid Sash ..... ₩ lb 14c
Silver Lake:
A Quality, White 30%
A Quality, Drab 25%
B Quality, White 40%
B Quality, Drab ..... 30&10%
C Quality, White (only) 26½c@ 28c
Sylvan Spring:
Extra Braided White 35c
Extra Braided Drab 37½c
No. 4 Braided White, $2.00 .. 10&10%
No. 4 Braided Drab, $2.00 .. 10&10%
No. 4 Braided Colors, $2.50 .. 10&10%

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Semper Idem, Braided White....37c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades....45%
Chatillon.....30%
Butchers'.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00: No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '82..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.
Adjustable Box Scraper (S. R. & L Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool. Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perfection Screens..50&5@50&10%
Window Screen Frames...50&10@50&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@$3.50
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 4, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }
Wm. Johnson's:
135 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head. 55%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $3.00@$2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5&10%
Jack Screws, Millers Falls, without Roller Bearing.....6%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1891. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60% Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&8
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bons, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan. 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters.....℔ doz. $2.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Fal's.....25%
Wm. Johnson's:
Wood, Best.....3%
Wood, 2nd Quality.....3½%

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp, Co.'s list. 70&10%
Solid Table and Tea, Cen. Stamp, Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&16&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 80%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...80&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....30@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ℔ box.....$5.15
Atlas "Home" Tacks:
No. 50, ℔ carton.....$3.00 }
No. 50, ℔ case.....36.00 } 50%
No. 100, ℔ carton.....6.00 }
No. 100, ℔ case.....72.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron, Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lead, Swedes Iron.....50%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₱ gro $1.00
Tinned or Coppered....₱ gro $1.25
Bonnie Blue Tacks, ₱ case.....$1.50
Parisian Gilt Nails, ₱ carton....50c
Bill Nye Brad, ₱ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....60%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₱ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₱ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887 70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....20&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Ste l or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₱ ft..... .09
Single Rail Steel Track with clamps, ₱ ft..... .09
D. H Fork, Steel Regular, e'ch .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₱ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₱ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₱ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig 4 3, ₱ doz.....$1.65
Steel Frame Pulley with Iron Sheave. Fig. 565, ₱ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₱ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₱ doz.....$2.00
Floor Hooks, ¾ in ₱ doz..... .65
Hanging Hooks for Double Steel Track, ₱ doz..... .60
Hanging Hooks for Single Steel Track, ₱ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₱ doz..... .45
Hanging Hooks for Wood Track, 14 in , ₱ doz..... .55
Wrought Rafter Brackets, ₱ doz..... .45
Malleable Rafter Brackets, ₱ doz..... .45
Rope Hitch. ₱ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₱ doz hole 30@10%
S.T.....₱ doz $6.00, 20%
Mouse, Round Wire. ₱ doz $1.50, 20%
Mouse, Cage, Wire. ₱ doz $2.50, 10%
Mouse, Catch-'em-alive ₱ dz $2.50, 15%
Mouse, Bonanza.....₱ gr $10.00
Mouse, Ideal.....₱ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₱ gr $9.50
Rat, Keystone.....₱ gr $10.00
Rat, Exterminator.....₱ gr $12.00
Rat, Decoy.....₱ gr $10.00, 15%
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₱ gross $18.00.....50%
Rat, ₱ gross $30.00.....50%
Household.....₱ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....₱ gr. $13.50
Electric Rod.....₱ gr. $16.50
Globe.....₱ gr. $13.50
Harper.....₱ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering..... 40%
Brick No. 100 Extra..... .....30%
Painting.....40%
Corner.....40%

Vises—
Solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₱ gross. $2.50 to $12.00
Rattan Drop Tops ₱ doz. 50c to $1.50
Rattan Straight ₱ doz. 80c to 3.00
Rattan Fancy Mounted ₱ doz. $1.50 to $6.00
Stocked Javas ₱ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₱ doz. $4.00 to $7.50
"True Grip" Raw Hide ₱ doz. $6.00 to $12.00
Whalebone...₱ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....6¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to 2 30%
Steel Music Wire, Nos. 12 to 30 55c ₱
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₱ 100 sq. ft..$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&2%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 8 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....80%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30. Erie, 11 inch	27.00
No. 55, King, 11 inch	38.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99. Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29 00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₱ gal. 50c
Linseed, City, Boiled.....₱ gal. 52c
Linseed, Western, Raw...₱ gal. 54c
Lard, City, Extra, Winter.₱ gal. 56c
Lard, City, Prime.....₱ gal. 54c
Lard, City, Extra No. 1...₱ gal 50c
Lard, City, No. 1.....₱ gal. 45c

Paints and Colors—
Barytes, Foreign ₱ ton $22.00@$25 00
Barytes, American, Floated.....₱ ton $26.00@$28 00
Barytes, American, No. 1.....₱ ton $16 00@$18.00
Barytes, American, No. 2.....₱ ton $13 00@$15.00
Barytes, American, No. 3.....₱ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small package.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5½@6¼c
Lead, Red, in kegs.....5½@6c
Litharge, in kegs.....5½@6c
Zinc, American, Dry.....3½@4½

Putty—
In Barrels and half bbls. .01⅝@.01¾
In Tubs. .....01⅝@.01¾
In Tin Cans .....01⅝@.02½
In Bladders.....02¼

Spirits Turpentine—
In regular barrels.....₱ gal. 30½c
In machine barrels.....₱ gal. 31 c

Varnishes—
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$2.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$2.50
No. 1 Coach.....$2.25
Lt. Hd. Oil Finish.....$2.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$2.50
Umber in Oil.....₱ lb .20
Sienna in Oil.....₱ lb .22
Ochre in Oil.....₱ lb .13
Window Blind Green in Oil.. .21
Chrome Yellow in Oil...₱ lb .27
Indian Red in Oil.....₱ lb .21
Dealers' Discounts in large lots.....25%

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

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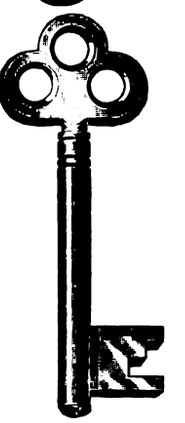
CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.

A complete line of more than **1000** List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.



THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—Experienced salesman to represent staple line to the Hardware trade, upon commission in New York, Pennsylvania, West Virginia, etc. Address, "Business," care HARDWARE, 143 Chambers Street, New York City.

A MANUFACTURER of high grade pen knives, scissors, razors, etc., desires to correspond with six first-class Hardware or cutlery salesmen of unquestioned ability to represent him after January 1st. The line comprises the handsomest as well as the most complete of any line on the market. Unexceptional opportunity for really first-class men. Address in confidence, stating fully for whom you traveled, how long, and territory covered. Hustler, care HARDWARE, No 143 Chambers Street, New York.

HARDWARE and Cutlery salesman for New York City and vicinity; also salesman for New York and New Jersey. Address H. J. C. & Co., care HARDWARE, 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

SITUATION wanted as Die-maker. Experienced in cutting, forming and drawing work, plain or combination. Address D. M., care HARDWARE, 143 Chambers Street, New York City.

WANTED, by a young married man, twenty six years of age, position in wholesale or retail Hardware store. Experienced. Best of references. Address O. L. Barber, Tupper Lake, Franklin County, N. Y.

WANTED position as Hardware salesman, Builders' Hardware especially. Have had several years' experience in a first-class house. First-class references. Address Frederick J. Schwarz, No. 2 Willow Street, Brooklyn, N. Y.

A1 CUTLERY salesman with New England, Middle Atlantic States and local trade, wants situation at once. Is also Hardwareman. Address Traveler, care HARDWARE, No. 143 Chambers Street, New York.

A PRACTICAL designer and model maker, who has some original ideas that he wishes to make practical use of, would like a position with some company or firm who are open to business of that character. Address Model, care HARDWARE, No. 143 Chambers Street, New York City.

A PLUMBER. Fully experienced and competent; capable to take charge; quick workman; moderate wages; city or country. H. Webber, care of S. Fullerton, No. 228 Chrystie Street, New York City.

AN experienced traveling man desires position with manufacturing concern to represent them in one or more large cities. Best of reference. Address A. J., care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

AN active, reliable salesman, having a large acquaintance among jobbing and retail Hardware, housefurnishing and department stores in New York, Philadelphia and the South, desires a manufacturers' agency. Specialties preferred. A-1 references. Address, S. B., care HARDWARE, 143 Chambers Street, New York City.

TO Hardware Manufacturers and Importers: I want to handle on commission, in Chicago and vicinity, Hardware and house-furnishing specialties. Am a hard worker, and am well acquainted with the jobbing and retail trade. Good references. Address Energy, care HARDWARE, No. 143 Chambers Street, New York.

A BUSINESS man and salesman of twenty-five years' experience, capable and reliable, desires a manufacturers' agency—either Hardware specialties, supplies for gas, steam, water and oil, or a line of housefurnishing goods for domestic and export trade. Highest reference, given. Address Wallace, care HARDWARE, No. 143 Chambers Streets New York.

ARE you represented in Rochester, N. Y., a prosperous, wealthy growing city of 150,000, and the trading and manufacturing centre of a large section of the State? A gentleman of many years' business experience, of good judgment and well posted in commercial law, desires to represent a manufacturing, wholesale or jobbing house. Address P.O. Box 165, Clarkson, N. Y.

AN experienced salesman with extensive acquaintance among the larger buyers of builders' Hardware, calling frequently on the trade in Philadelphia, Pittsburg, Baltimore and Boston, and having office in New York City as agent for a first-class manufacturer, is anxious to represent an additional company. Address W. H. E., care HARDWARE, No. 143 Chambers Street, New York.

A **HARDWARE commission house** of New York City, centrally located, with ample room for samples and stock, and abundance of capital to carry out any agreement or contract which they may enter into, wish to **negotiate with manufacturers of staple lines of Hardware or specialties.** For further particulars, address Commission, care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Wanted.

WANTED by traveling man, long experience in New York State and Pennsylvania, Hardware specialty as side line, which will pay well for good work. Address Traveler, New Osborne House, Rochester, N.Y.

TRAVELING salesman wants A1 specialties or to represent a manufacturer or a line of goods in New England. H. Hayden, No. 667 Salem Street, Maplewood, Mass.

Side Lines Offered.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr, **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Julius Andre, Milwaukee, Wis.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co., New York, Hagerstown, Md.
Curtis-Child Mfg. Co., Philadelphia.
Cushman & Denison, New York.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis Minn.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass
J. P. Lovell Arms Co, Boston.
Monarch Cycle Co. New York, Chicago.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Smith & Egge Mfg. Co., Bridgeport, Conn.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Pierce Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven Conn.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Coiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
O. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co, Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co, New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Keil & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
Francis Keil & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
Joseph A. Bogardus, New York.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Howard Iron Works, Buffalo, N.Y.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co. New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son Brooklyn, N. Y.
Edward Miller & Co, Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co, Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co, Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cans.
Star Mfg. Co., Canton, Ohio.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co, Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

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Tower & Lyon, New York.

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Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

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C. H. Angus, Albany, N. Y.
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

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Handy Stove Mitten Mfg Co., Boston, Mass.

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Gilbert & Bennett Mfg. Co, New York and Chicago

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
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Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Raisin Seeders.
Everett Specialty Co., Boston.

Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
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Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Keil & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

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Berger Mfg. Co. Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton, O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

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E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York
Reading Hardware Co., Reading, Pa.

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E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Charles Perkins, Bridgewater, Mass.
Union Hardware Co, Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spring Hinges.
Francis Keil & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

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Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
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Butterfield & Co., Derby Line, Vt.

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J. H. Cart & Son, Brooklyn, N. Y.
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Stove Trucks.
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Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

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Ideal Strainer Co., Boston.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

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Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

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Lufkin Rule Co, Saginaw, Mich.

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Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

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Tin-Plate.
Bruce & Cook, New York.

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Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

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Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Tuck Mfg. Co., Brockton, Mass.
Charles Welland, New York.

Torches.
Bridgeport Brass Co., Bridgeport, Conn., New York.

Traps.
W. S. Estey, New York.
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Tate Mfg. Co., Malden, Mass.

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William Johnson, Newark, N. J.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
Ansonia Brass & Copper Co., New York.
Wilmot & Hobbs Mfg. Co., New Haven, Conn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.

Vises.
Athol Machine Co., Athol Mass.
Billings & Spencer Co., Hartford, Conn.
Howard Iron Works, Buffalo, N.Y.
Prentiss Vise Co., New York.
Todd-Donigan Iron Co., Louisville, Ky.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.
Horton Mfg. Co., Fort Wayne, Ind.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
National Lead Co., New York.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
American Wick, New York.

Window Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Window Lines, Pulleys, etc.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Wire, Manufacturers.
American Wire Co., Cleveland, O.
Bruce & Cook, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Waterbury Brass Co., New York.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cloth.
E. T. Barnum, Detroit, Mich.
Clinton Wire Cloth Co., Clinton Mass.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Cutter.
Billings, Spencer & Co., Hartford Conn.

Wire Goods Manufacturers.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.
New Jersey Wire Cloth Co., New York, Trenton, Chicago, San Francisco.
Novelty Wire Goods Co., New Haven, Conn.
A. J. Phillips Co., Fenton, Mich.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Gates, Fences and Fencing.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.
Wright & Colton Wire Cloth Co., Worcester, Mass.

Wire Lathing
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wire Nails.
Atlas Tack Corporation, Boston
Bruce & Cook, New York.

Wire Work.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

Wrenches, Manufacturers.
Billings & Spencer Co., Hartford, Conn.
Coes Wrench Co., Worcester Mass.
Gwinner Mfg. Co., Hamilton, O.
A. S. Henn & Co., New Haven Conn.
Tower & Lyon, New York.

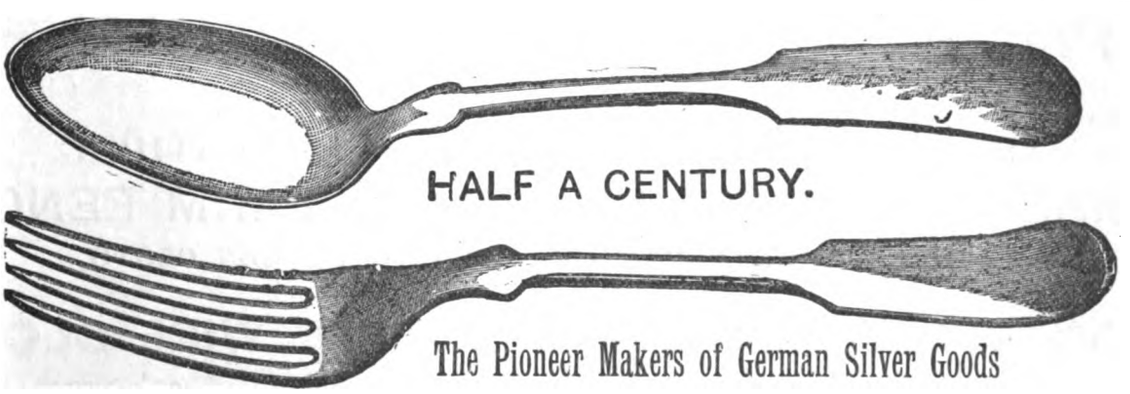
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Reading Hardware Co., Reading, Pa.

Zinc.
Bruce & Cook, New York.

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1837.



1894.

The Pioneer Makers of German Silver Goods

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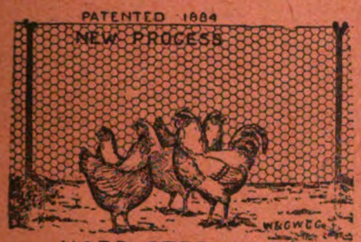
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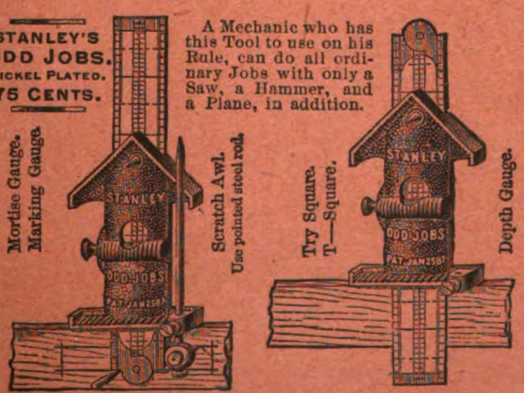
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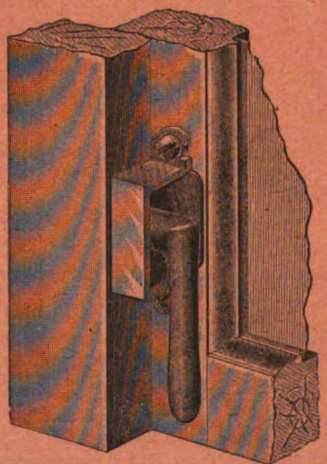
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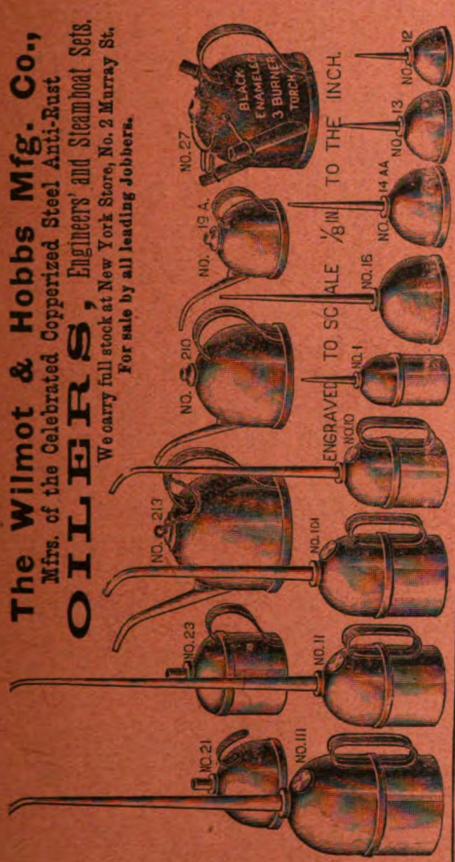
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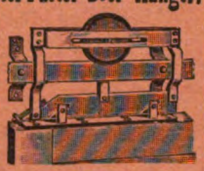


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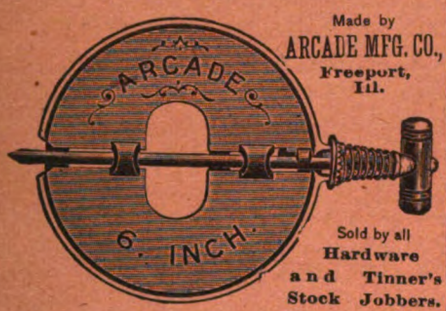


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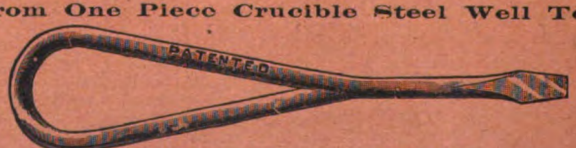
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—AT—

World's Columbian Exposition,

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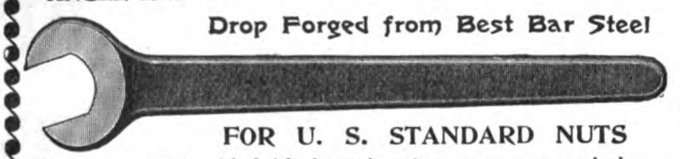
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SINGLE OR DOUBLE END

FOR U. S. STANDARD NUTS

Made with finished openings from 13-32 to 4 1-2 inches, to take U. S. Standard Nuts 3-16 to 2 3-4 in. inclusive.

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Screw Wrenches.

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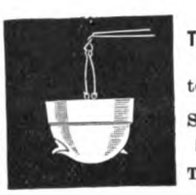


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TEA AND COFFEE STRAINER

Affords absolute protection to the cloth.

Made in both Nickel and Silver Plate.

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This Burner is made entirely of Brass, with handsomely Nickeled Stationary Globe, Regulating Screw for gas supply, and is of superior finish and appearance. Simple in construction, durable and strongly made it contains all that can be desired for this style of Self-Lighting Gas Burner.

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THE ANSWER

Is because the No. 0 Closer gives a square crimp; the No. 95 Cleaning Rod is made just the right weight and length for all guns; the Powder Measure No 20R is standard for all grades of powder, and the complete line is **UP TO DATE.**

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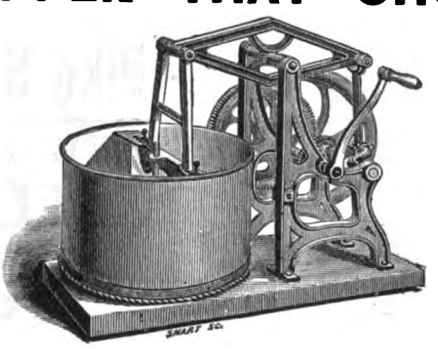
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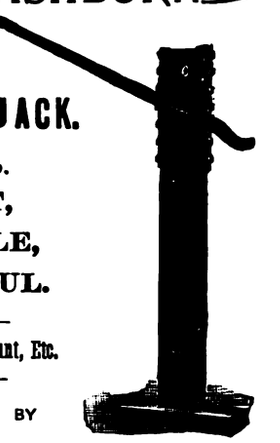
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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



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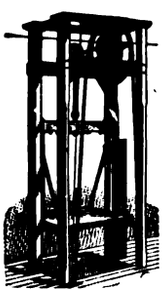
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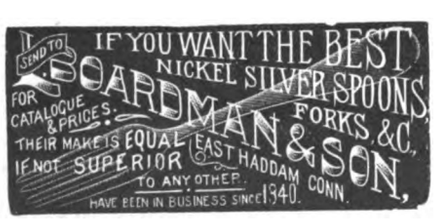
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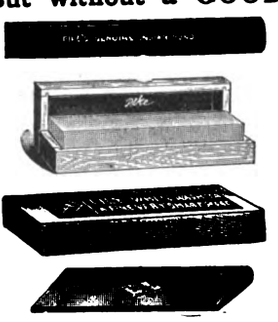


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But without a GOOD WHETSTONE they are an impossibility
That is why it is always economy to buy



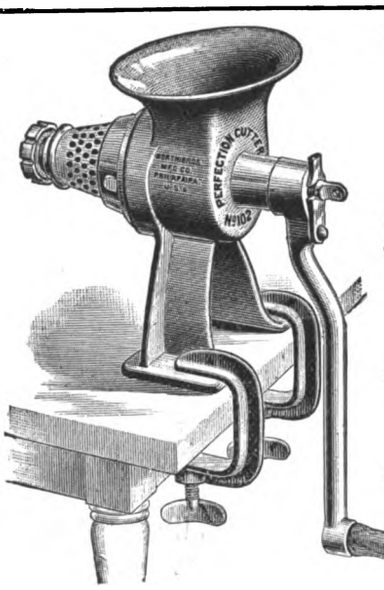
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1894 PATTERN.

THE LATEST, BEST, MOST PRACTICAL, AND IMPROVED FOR FAMILY USE.

SIMPLE TO USE. ● EASY TO CLEAN. ● OF FEW PARTS.
REQUIRES NO REPAIRS.

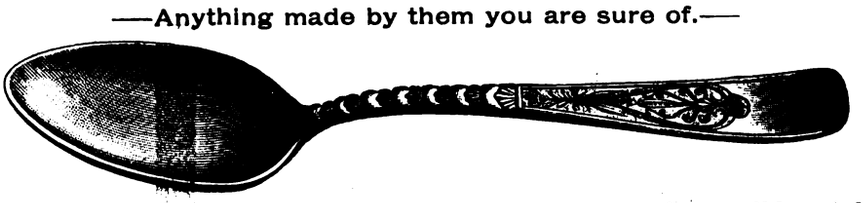
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No parts to wear out or become dull.
Does not mash or grind meats, etc.
All parts coated with pure block tin.

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Special and Automatic Machinery Dies for all classes of work in sheet metals.
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Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅜ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

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ALL KINDS UNDER THE
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Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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You have risen the quality & we heartily the Trade

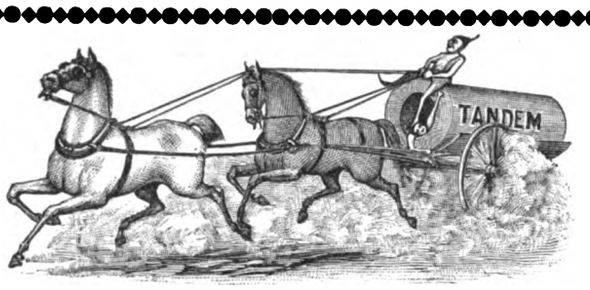


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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing

It is easier to lay than ordinary roofing and it makes a better roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet. Such courses are particularly useful in gutters and valleys.

It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges double handling, and time If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made



MERCHANT & CO., INCORPORATED, PHILADELPHIA: 517 Arch Street. CHICAGO: 202 Lake Street. BROOKLYN: 584-86 Flushing Ave. NEW YORK: 247 Pearl Street.

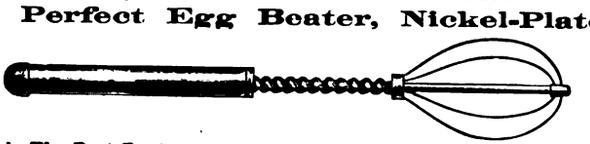


Stew Pans, Glazed, White or Black.

Ask for a Catalogue.

Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.

The Perfect Egg Beater, Nickel-Plated.



Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by **F. H. WEEKS, Akron, Ohio.**



Regular Jug. Size, ¼ to 6 gal.

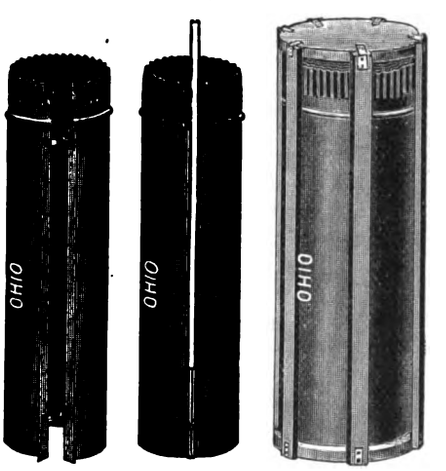
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizes:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate
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Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.

Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

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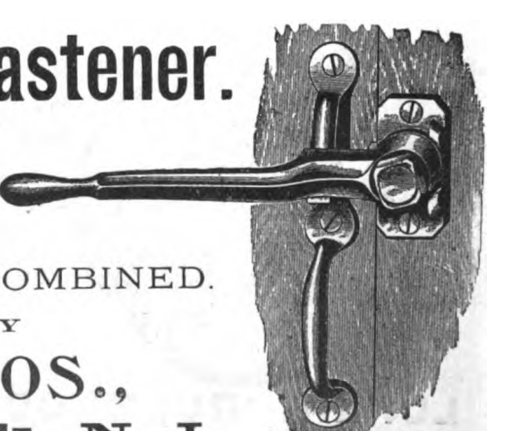
Practical.

HANDLE and WEDGE COMBINED.

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ORIGINAL MANUFACTURERS

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MECHANICAL RUBBER GOODS.



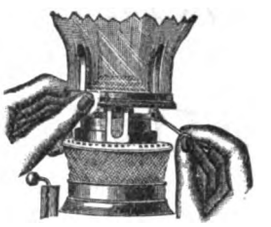
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The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

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THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

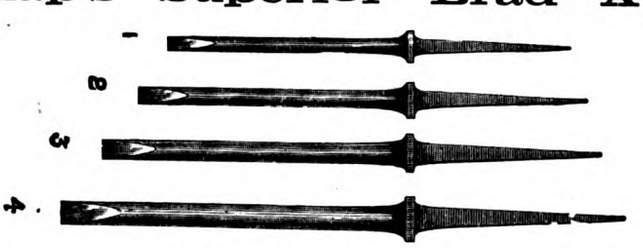
Oil drawn up through the AMERICAN WICK burns with a large, clear white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

FOLSOM SNOW GUARD CO. BOSTON. NEW MODEL SNOW GUARD



FOLSOM, BLIND FAST.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

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P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

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ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

MILLBURY, MASS.

The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

TWO PRIZE MEDALS,

No. 1098 and No. 1099, AT WORLD'S FAIR.

Buyers are cautioned against any parties who claim a recent connection (or any connection for over 30 years) with Buck Bros., or who represent goods as our make not stamped with the BUCKS' HEAD or BUCK BROTHERS in full.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

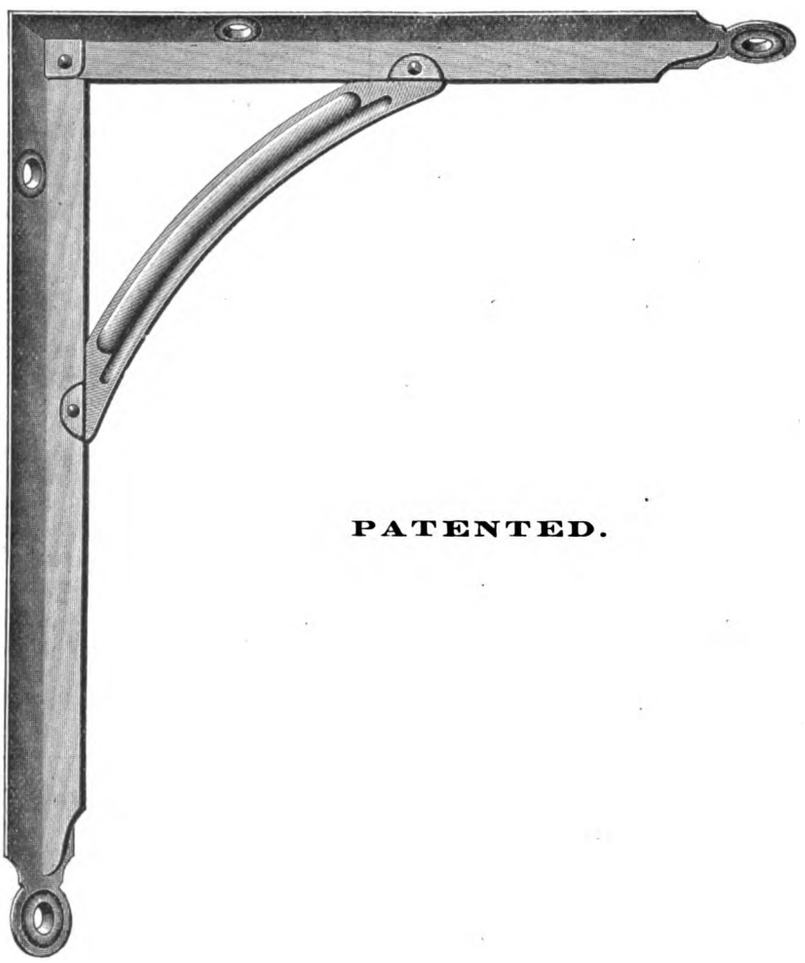
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—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



PATENTED.

As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

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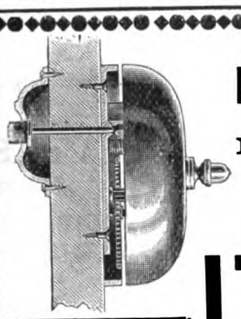
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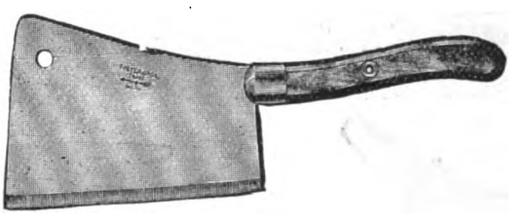
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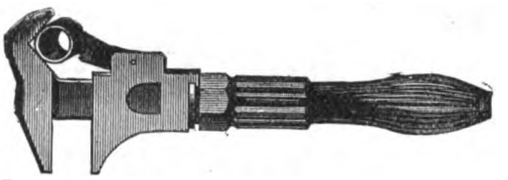


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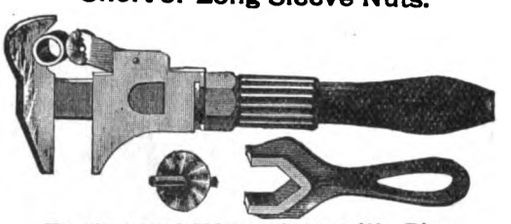
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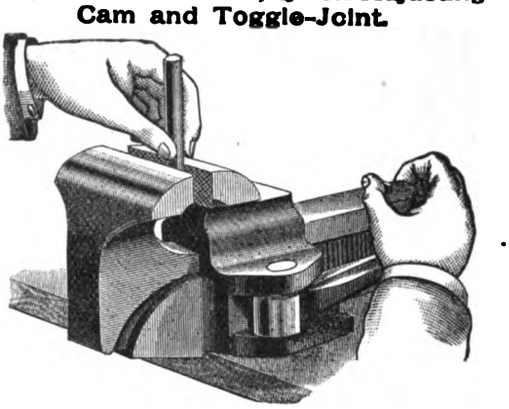


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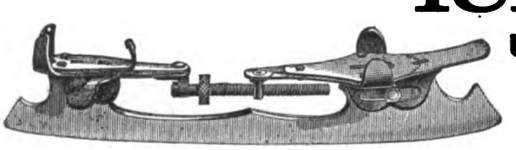
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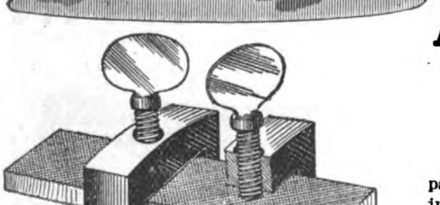
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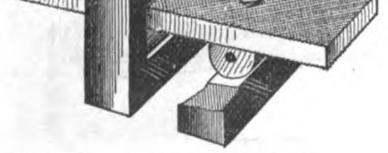




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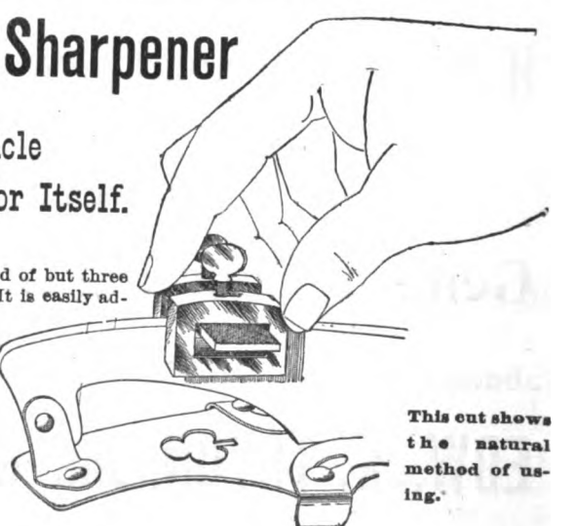
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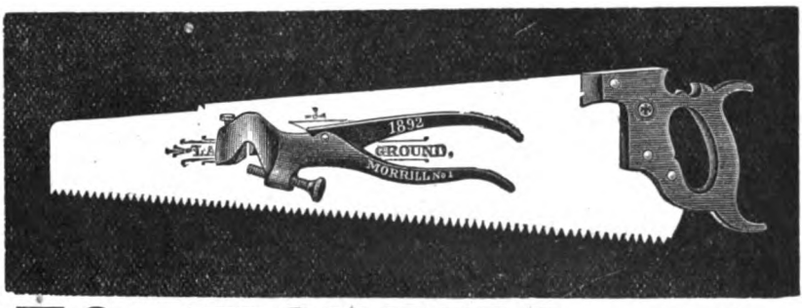
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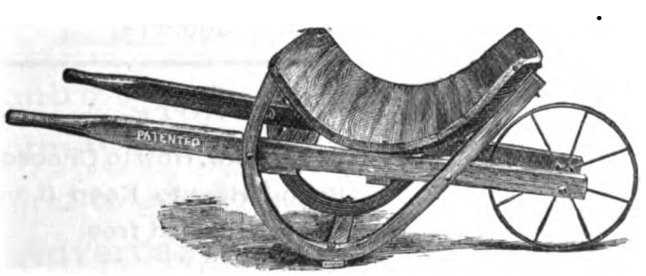
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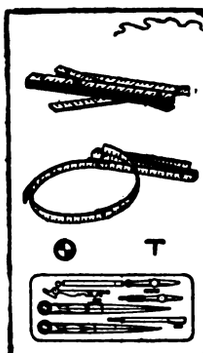
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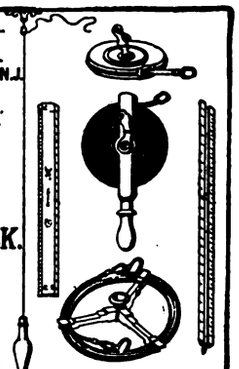
NO WARPING, NO SHRINKING, NO ILLEGIBLE JOINTS, NO BULK.

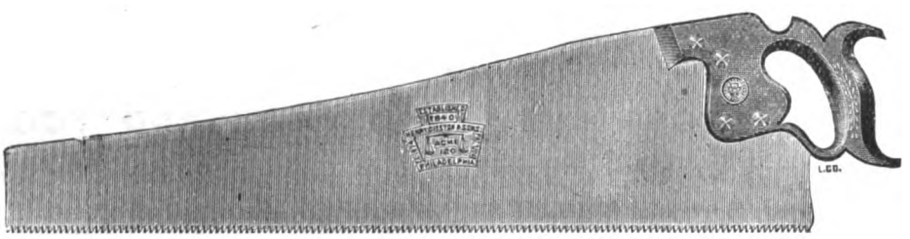
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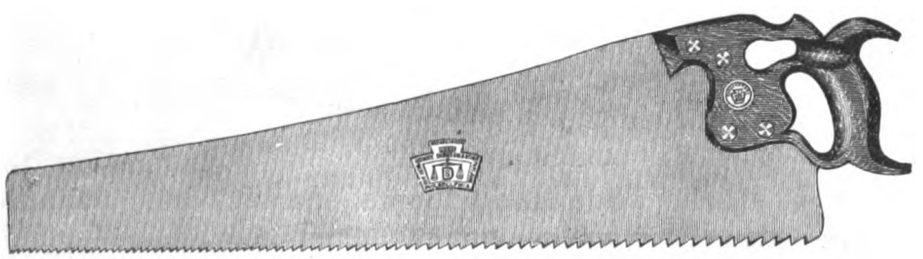
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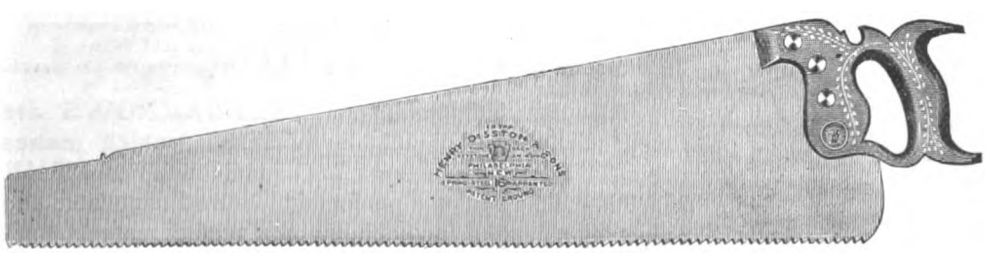


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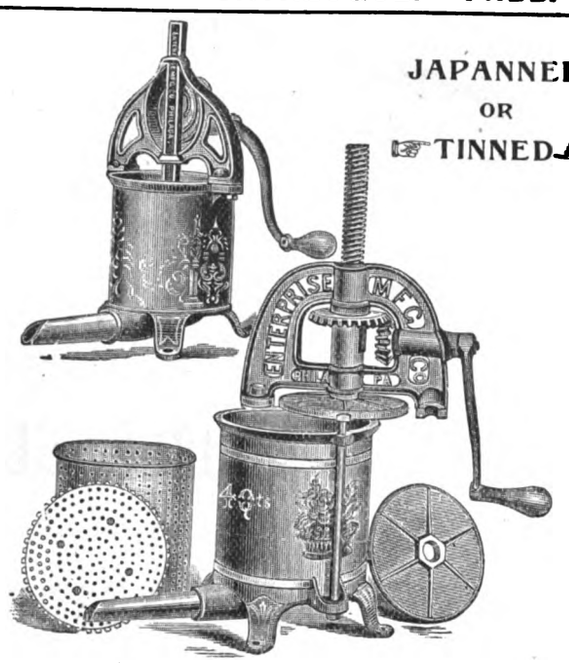
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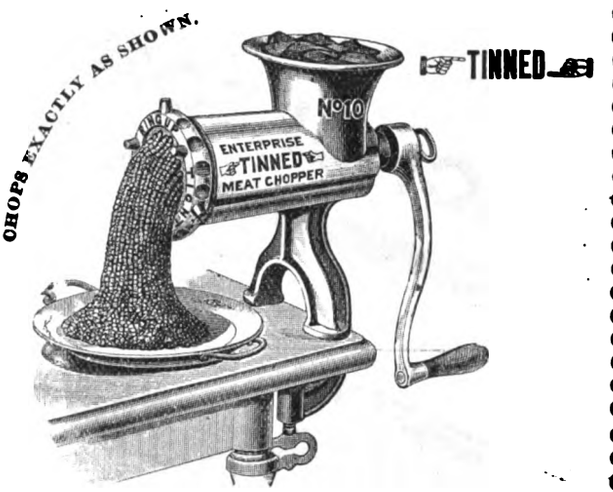
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HARDWARE

A Review of the American Hardware Market,
Specially Devoted to the Retail Trade.

PUBLISHED ON THE 10th AND 25th OF EACH MONTH
BY THE

HARDWARE PUBLISHING COMPANY.

NEW YORK, (Main Office,) 143 Chambers Street.
CHICAGO, (Western Office,) 60 Wabash Avenue.
CINCINNATI, 904 Neave Building.
LONDON, (European Office,) 9 & 11 Fenchurch Ave., E. C
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VOL. 10 New York, December 25, 1894. No. 6

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HAROWARE TRADE.

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The National Hardware Association.

We devote considerable space in another part of this issue to an account of the recent gathering in Cleveland, where representatives of a large number of leading wholesale Hardware houses of the country met for the purpose of considering the advisability of forming a national association. A perusal of this account will show that their labors were abundantly crowned with success, and that, with care and judgment, they have laid the foundations for an organization that we believe will, from the very start, take a prominent position in the Hardware world, and have a great and beneficial influence upon the trade. It is hardly necessary for HARDWARE at this late date to express itself as in favor of organization, and of stated gatherings where members of the trade can meet for acquaintance, the formation of closer business relations, and to arrange for measures which are recognized as needed for the protection and advancement of the trade. Emphatic expression was given some issues since in these columns, in favor of national organization, and the form in which that idea has taken shape is perhaps as good as any which could have been suggested.

The gentlemen who met at Cleveland were representative men, and although as many houses were not there represented as might have been had the call been longer in duration, yet it is generally felt that at the next annual meeting in Pittsburg, in November, 1895, there will be a great many more present than were in Cleveland.

The gentleman in whose hands the interests of this association have been placed are men of wide experience in these lines of labor, occupy personally high places in the Hardware world, and, by their knowledge and conservatism, have proven, in other walks of life that no better selections could have been made of a staff of officers upon whom is dependent in a large measure the success of this organization.

The most hearty congratulations should be extended to the local manufacturers and jobbers of Cleveland who so generously entertained the visitors, and who left nothing undone to make their stay in the Forest City one of great pleasure.

We are sure that the National Hardware Association will be heard from, and felt with beneficial effects, through many years to come.

Hope and the Holiday Season.

The date borne upon the cover of to-day's issue, December 25, 1894, marks the return of another Christmas holiday, and upon this happy occasion, when all the world is rejoicing in the improved prospects that are ahead of us,—and, let us hope, feeling thankful that the dark days of the past have not been as gloomy as they might have been,—HARDWARE desires to send its personal holiday greeting to that great army of friends in all parts of the country, who have so generously and loyally sustained it during the past year, and whose encouragement has been given in most practical forms.

We desire to congratulate the entire country, that things are as well with the average business man as they now are, and to express the hope that is almost a conviction, that 1895 will see a more sure and steady prosperity than has been noted for several years past. We use the word sure, advisedly, in this connection, as the two years of depression through which we have passed, have demolished fictitious booms, have reduced things to their actual values, have cleared away the rubbish of misunderstanding and misapprehension, and brought the business interests of the

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country down to bed-rock. Certainly no situation, in a business sense, can be better than that in which everything is reduced to its actual value. There is certainly one method by which the promises of 1895 can be realized, and that is for each business man to determine that so far as within him lies he will let apprehension be replaced by confidence, inactivity by labor, and despondency by that hope which has been the mainspring and motive power of the American people since we became a nation.

One of the greatest abuses to which the Hardware trade is subjected is the warranting of some of the mechanics' tools, which is still in vogue in many quarters. Axes are brought back, which look as though they had been purchased by the bearer's grandfather when he attained his majority. The usual gag is, "It's too soft," etc. Well! "it's too hard" on the manufacturer to exchange this antediluvian article for a new one; but here intervenes the commercial logic—"if we don't, he'll never buy another dollar's worth of goods from us—and probably influence the rest of the family to pay more money for the same goods somewhere else." So he gets a brand new axe for one which the last possessor threw on the junk heap that very morning, having had the worth of his money out of it.

It is with pleasure, not unmixed with pride, that we call the attention of the trade to the fact that this issue of HARDWARE is the largest and most important that we have ever issued. The demands upon our space, especially in the line of advertising, have been such that this enlargement was a matter of actual necessity, and it is a gratifying fact that this illustrates not merely that HARDWARE is being successfully supported by the trade it represents, but also that times are so improving that manufacturers, wholesalers and jobbers are coming to the front with old-time push and enterprise.

F. E. Myers & Bro., Ashland, Ohio, manufacturers of Pumps and Hay Tools, have issued a very artistic wall calendar, measuring some feet in length, and containing upon it in vivid colors, representations of the immense line of goods sold by them. This calendar, hung in the store of any retail dealer, will assist him very greatly in the sale of goods, as all who are inclined to the use of articles of this character, will see something thereon of which they are in need; and a constant investigation of the picture, at their various calls to the store, will get them in such frame of mind that they will have to buy. We suggest to dealers that they send to the company for a copy of this calendar.

The Standard Fiber Ware Co., Mankato, Minn., have kept steadily upon their way during the recent hard times, holding their own and increasing their trade and usefulness as opportunity presented. In addition to their well-known lines of water and other pails, slop jars, wash basins, spittoons, etc., etc., they are just adding an Improved Pail which they believe will equal anything of the kind manufactured. Detailed information concerning it will be given at a later date.

We regret to learn of the continued illness of Irving Lawrence, who for so many years—we think over twenty—has been the "right bower" of Peter McCartee, the vice-president of the Stanley Works. His genial face and well rounded form is greatly missed from his accustomed desk, he having been there only a few times in three months. May he soon be able to enjoy life to better advantage.

J. H. Sternbergh & Son, Reading, Pa., long established and well-known manufacturers of every variety of bolts, and nuts, boiler rivets, etc., have perfected improvements for the manufacture of soft steel set screws and tap bolts of the highest grade of excellence, and solicit inquiries of Hardware dealers.

The Manufacturers' Meeting.

Those having in charge the arrangements for the coming meeting of manufacturers in Cincinnati, Ohio, have issued a statrment in which they say: It is with great pleasure that the committee of arrangements announces assured success and a large representative attendance promised for the National Convention of Manufacturers, which will be held in Cincinnati, January 22d, 1895. This result is largely due to the generous and unreserved support which has been accorded to the movement by industrial periodicals of the country and the press at large. The gentlemen who will come together upon the 22d of January next, will come uncommitted to any policy other than the promotion of the general welfare. It is hoped that by their combined thoughtfulness and wisdom a framework may be constructed upon which shall rest an organization, whose force for good will be felt throughout every section of country. Where the future headquarters of the Association shall be located, or who will be its officers, are matters of detail, which no effort has been made to forcast or forestall. If the strong and earnest workers who have made our country the greatest manufacturing country on earth, will come together, our citizens will bid them welcome and our committee expects to point with pride to the structure which they will erect.

Hartford Hardware Clerks.

A prosperous organization of the Hardware clerks of Hartford, Conn., is in existence. Its object is to improve social acquaintance and promote a more friendly feeling among its members; to give an opportunity for discussion and interchange of opinion on any topics of general interest to the Hardware trade: and to secure united effort and influence in any worthy cause which may properly receive its attention. Early in October about twenty of the clerks met in McKinlay club hall and talked over the advisability of forming such a society. The organization was perfected at subsequent meetings with the following officers: President, F. C. Bidwell, of Tracy & Robinson; vice-president, F. G. Allen, of Blodgett & Clapps; secretary, J. F. Murray, of Wooley Hardware Co.; treasurer, E. R. Clark, of Francis & Co.; and an executive committee of the above officers with William B. Tifft, of Tracy and Robinson, and R. E. Page, of Storrs & Candee. It was decided that the society should meet the first Monday of every month. This movement seems to be one of an admirable character, and might well be followed by like organizations in other sections

Upon page 61 of this issue something in the nature of a surprise is promised by the Central Oilgas Stove Co., Florence, Mass., with offices in New York, Boston, Chicago and San Francisco. They promise that in addition to their popular, varied, and extensive lines, they will also place on the market specialties in new goods that they believe are bound to prove popular "both by reason of low prices and their many attractive features." In addition to their new and popular lines, they will also have something entirely new in the line of their well-known Oilgas Cook Stoves, containing their new burners that, as they say, "are giving such perfect satisfaction." They also call especial attention to their new catalogue for 1895, which will be ready for distribution within a few weeks. As dealers at this time are greatly interested in stoves of this character, it will be worth their while to peruse the announcement of this company upon the page referred to, and also obtain from them detailed information as to their plans and prospects for the coming year.

W. C. Mills, buyer for the W. Bingham Co., Cleveland, Ohio. and R. C. Rogers, manager of their house-furnishing goods department, have resigned their positions with that concern, to accept others with the Marshall-Wells Hardware Co., Duluth, Minn.

Word comes from Pittsburg that the works of the Carnegie nail factory at Beaver Falls, Pa., recently destroyed by fire, are to be rebuilt at once, and that the same will be in operation within a few weeks.

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Hardware in the South.

A PROMINENT MERCHANT WHO HAS BEEN THROUGH THAT FIELD, ADVANCES SOME IDEAS THAT ARE WORTHY SERIOUS ATTENTION.—PRICES.—QUOTATIONS THAT MISLEAD.—STOCKS IN HAND.

EDITOR HARDWARE: The writer has recently made a trip through North and South Carolina, and he finds that the low price of cotton interferes very materially with present purchases by merchants in that section, especially so when you attempt to sell them future goods, for cotton being down to about 4½ cents per pound, they feel that later on all Hardware will be much cheaper than it is to-day, as they express it; that goods must come down to be in keeping with the price of cotton.

We do not see how it is possible for Hardware to get any lower than it is at the present time. During the past six months many sharp declines have taken place on Hardware, when it was our opinion on July 1st last that prices would improve rather than decline. We think that the manufacturers are largely responsible for the low prices now existing on Hardware, in that they are all cutting at each other to a greater extent even than the jobbers are cutting at each other. If we wish to place an order for staple goods, and can do so guaranteed against other manufacturers, it is only a question of a few hours or days when we can procure lower prices than those ruling at the time we would make the contract.

We sold on the eighth of November a small lot of wire nails —22 kegs—at $1.10 basis f. o. b. factory, which at that time was as low a price as the party could get. We ordered the goods from Pittsburg on the 10th; they were shipped on the 13th, and we billed the same on the 16th, and before our customer could get our invoice he had been quoted wire nails at 92½ cents per keg, this decline taking place between the 8th and the 16th insts., and came from a manufacturer or manufacturer's agent.

We are bothered considerably in having people write us that they are quoted goods cheaper than we sold them, and when we investigate it, they have received quotations from some local broker or agent naming prices on quantities much larger than the merchants receiving quotations can buy, but at the same time they use these quotations against us, without stating that it is a car-load price, or price on a larger quantity than they purchase from us. Ridiculously low prices are also many times by mistakes made by traveling salesmen, or by merchants misunderstanding a verbal quotation.

Stocks of Hardware through the tobacco and cotton sections are not large at all, and when the spring trade opens in January, we expect to get assorted orders from all of our customers, as we know the goods will be needed, though if prices continue to decline we will be forced to sell 25 per cent. more goods in bulk to keep up our sales in dollars to what it was a year ago. We would much prefer goods being higher in price than they are now, even if we could not make a larger per centage, for even then we would make more money, and until the manufacturers come to some definite conclusion that they will get higher prices for goods, or enough of them break to allow those remaining to get a fair return for their labor and expense, we do not see what the jobbers can expect from each other, when the factories are continually cutting and slashing prices, which very naturally reflects on us, especially so when we are forced to sell goods on the declining markets that have existed during the past four years.

Some eleven years ago jobbers in this section were selling exclusively to general stores, but now in many small towns retail Hardware stores have monopolized the business, and now, instead of buying all their goods from one concern, they are buying from the manufacturers and manufacturers' agents largely, and many times buy more goods than they should to obtain a low price, and then unload on their neighbors at a price that we jobbers could not meet and make a living profit.

We feel that the actual decline on Hardware during the past six months will be fully 15 to 20 per cent. up to the present time. The Southern Hardware Jobbers' Association, which met here in June last, formulated plans for selling and buying certain lines of goods, some of which have held together to the present time, and some have been a failure; but each year we learn some things by coming in contact with each other as we do now yearly, and we look for a large benefit from our association in the future.

We bought to-day a car load of nails at a price of 23 cents per keg cheaper than the highest price which we obtained on inquiries sent out last Friday to four different factories, which will give you an idea that some of them are either making considerable money or others are losing largely, and they all claim that they are not making any returns whatever from their plant or investment.

We do hope things will improve in the near future.

Very truly yours,

WATKINS HARDWARE CO.,

Chas. H. Watkins, Pres.

Richmond, Va., December 17, 1894.

Some Points on Vapor Stoves.

The Dangler Stove & Mfg. Co., Cleveland, Ohio, are now recognized, as they have been for the past fifteen years, as eminently progressive and constantly on the alert to bring out improvements. As is well known, Vapor Stoves have become a household necessity, and this is especially true in families where the advantage of labor-saving and economical cooking stoves are necessary. In getting up their New Gem, they kept in view the condition of the times, in getting up a stove at a price that would come within the reach of the masses—in a word, "stove for the people and for the times." The striking features which they advance for this stove are:

"First: The convenient and attractive construction.

"Second: The great heating power and great economy.

"Third: The absolutely safe, removable tank.

"Fourth: The original cost is only a trifle more than one-half that of the regular high stoves.

"Fifth: Of special advantage to the dealer, as he will have no competition on this stove, being absolutely controlled by them, and made under strong, fundamental patents."

Assessing Imported Tires.

The Treasury Department has issued for the instruction of collectors of customs the decision of the Board of General Appraisers in the matter of the importation of puncture proof bicycle tires. F. B. Vandergrift & Co. protested against the action of the collector at New York, in assessing duty on these articles. The firm claimed that they should have been assessed 30 per cent. ad valorem, and the appraisers and the department reversed the collector's decision. The Treasury department has now directed all collectors to assess tires consisting of cotton cloth in the form of tubing heavily coated with india rubber and stuffed with raw cotton, at 30 per cent, ad valorem. The question at issue was, which of the materials india rubber or cotton, was of the greater value.

The Western New England Iron, Steel & Hardware Association met at the board of trade rooms, Springfield, December 14th, and after a short session devoted to a discussion of matters pertaining to the trade, adjourned to the Nayassett Club for dinner. About twenty members attended, and L. L. Ensworth, of Hartford, president of the association, called the meeting to order. These gatherings are held in the different cities in this part of New England every two months for the purposes of sociability, discussion of trade matters and a banquet.

Information comes from South Milwaukee, Wis., that W. H Hatch, president of the Hatch Cutlery Co., emphatically denies a report to which currency had been given, that the works are to be removed. As an evidence of the force of his statement, it may be added that the regular force have once more gone to work after a week's shut-down for repairs on the electrical appliances.

The table cutlery found in the ruins of ancient Memphis included no forks. We are forced to the conclusion that the ancient Memphian ate his pie with a knife.—*Kansas City Journal*

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"Hop's" Corner.

George Pixley, of the Monarch Cycle Co.'s eastern branch, was seen on the Sixth Avenue "L" lately, with a heavy overcoat buttoned about his Apollo-like form, and with a last year's straw hat crowning his "tank of thought." This looked so "diversely diverse," without the accompainment of a pair of russet shoes, we enquired, "Why! Oh why!" and found he had been wrestling all morning with eleven new agents, delivering his lecture with the new "Monarch" samples, just received, for a text, and his labor had been so great he was in danger of collapse or a brain fever. So like

The Southerner which Dickens saw,
He took refreshment thro' a "straw,"

but he bought an "Alpine" before he returned, just the same.

The shining morning faces of the "long term" traveling men, are again beginning to be noticeable on the Rue de Warren, Chambers and Reade, and in the various refectories contiguous thereto. The Hardware Club is animated by their presence, escorted by the heads of their respective houses, and even "Hollender's," knows increasing crowds of them putting away provender enough to make it worth while being charged to "traveling" account.

We are especially glad to notice again "in our midst" Joe Weed and friend Beach, who have so long and ably represented John H. Graham & Co. on the road; also George Waterman and Joe Limeburner, of the Guyon Co.'s platoon of hustlers. May they all foot up satisfactory sales.

Brother Walkley the Brooklyn City father, is proud
To uphold the Dutch bands that play long and play loud;
Being familiar with *Notes*, for hard times often force them,
From the Rhine or Chicago, he'll receive and endorse them.

It's the oddest thing to notice what a carpenter sometimes constructs, without ascertaining in advance whether the proper Hardware necessary for the completion of the creation of his fertile brain, can be obtained at "Patterson's" or "White & Van Glahn's," or any other place where everything is supposed to be on draught, in the line of ironmongery.

Tom Priestley, the Hudson Street carpenter, was seen scouring among the trade a few days ago, hunting for a sliding door lock, with a knob on one side and a cup escutcheon on the other; of course nobody had any such piece of conglomerate, but they all wondered what kind of a sliding door formed the "piece de resistence," when it finally came out, it was a door *to lift*.

Another anxious searcher wanted a set of sliding door sheaves for "three-quarter inch stuff;" this was a good one, but we think "Tiebout" had something that filled the bill, that could be put in on the side of the door. So there was "another soul made happy."

It's only recently that the good looking Frank Brechtlein, of Brooklyn, who gets all the contracts for furnishing the Hardware for the new schoolhouses, "beyond the bridge," was roaming through Chambers Street, prospecting for a lot of transom centres, in which *both sides* of the set were "Hole and Pin." He didn't want to "put a penny in the slot" side. He finally found them on Reade Street, and the "Sun shone in Mudville," as De Wolf Hopper would say, but the use he had for them was as puzzling as it was original, for it was to hang some windows that had to revolve on a center placed *top* and *bottom*.

Fred. Peck, who is fairly walking in his august father's footsteps, was in town last week looking after the interests of A. G. Peck & Co., Cohoes, N. Y. "Fred" says that business still keeps up, many orders not being filled yet.

"Hop."

Hardware Club Notes.

The following gentlemen were unanimously elected members of the New York Club, at a meeting of the board of governors, on December 21st:

James Gaunt, No. 32 West Thirty-third Street.

R. L. Coleman, president Western Wheel Works, No. 35 Barclay Street.

Ira Muller, General Manager American Whip Co., Westfield, Mass.

L. A. Stout, No. 81 Warren Street.

Isaac B. Markey, Secretary Eureka Fire Hose Co., No. 13 Barclay Street.

William T. Newell, No. 35 Park Place.

James Cochran, Lalance & Grosjean Mfg. Co., No. 19 Cliff Street.

Albert H. Tatum, No. 46 Barclay Street.

Henry R. Pierson, Pittsfield, Mass.

L. H. Pease, Secretary Stanley Works, New Britain, Conn.

C. F. Linsley, Meriden, Conn.

Edmund T. Smythe, No. 84 Chambers Street.

Henry E. Bursell, New Britain, Conn.

George H. Cook, No. 50 Broadway.

Thos. H. Delano, No. 102 Chambers Street.

Isaac Milbank, No. 71 Hudson Street.

Charles F. Smith, New Britain, Conn.

Charles Loeb, Vice-President Zucker, Levett & Loeb Co., No. 8 Grand Street.

George N. Robinson, No. 9 Dey Street.

W. J. Rogers, No. 71 Hudson Street.

The matter of the annual dinner of 1895 is under discussion by the committee having the details in charge, and full official announcement as to date, place, etc., will be made at an early date.

Victory of the Travers Bros. Co.

After four years of litigation, Travers Bros. Co., the well known cordage and twine manufacturers, of No. 107 Duane Street, New York City, have come out victorious in their suits against the American Cordage Co., which latter company is a part of the National Cordage Co. On December 6th, 1894. Judge Alfred E. Coxe, of the United States Circuit Court, handed down his decision in two suits which the Travers Bros. Co. had instituted against the American Cordage Co., because of alleged infringement on two patented processes used in the manufacture of hammocks. Judge Coxe, in referring to the Travers patents, states in his decision that "there is evidence that this method is simpler and more rapid than the old one; that by it an inexperienced operator can make four or five times as many hammocks as an experienced operator can make by the old method. It saves time and money. Nothing like it was ever done before."

This contest between the Travers Bros. Co. and the American Cordage Co. was, we are informed, "the result of a refusal of the first-named company to accept the terms of the National Cordage Co. to sell out. By private contract with the American Cordage Co. the Travers Bros. Co. bought out the hammock and cotton twine plant of the cordage company, located at No. 615 Fifty-second Street, New York. This purchase was effected on December 5th, and included all the manufactured stock and raw material on hand, as well as that in the hands of agents." Advices come from the Travers Bros. Co. that they intend to continue the manufacture of their Peerless Prize Manilla rope, and they will supply the trade direct. They have in course of erection a new plant for the manufacture of tarred cordage, marline, lath yarn, etc.

The plant of the Armstrong Mfg. Co., Bridgeport, Conn., is one of the largest and most complete of its kind in the United States. This concern manufactures an extensive line of water, gas and steam fitter's tools of uniformly high grade and noted for their time and labor-saving qualities. The improved pipe threading and cutting-off machines, for hand and power, made by the company, are especially popular and there has been a steady demand for them during the current year.

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Porter to Partnership.—III.

THE PROGRESS OF A CLERK WHO WAS NOT AFRAID OF WORK.

Of all the good things that came to me in my boyhood days probably none had so direct a bearing upon my prosperity as the offer of Mr. May of the use of his library. I had the average love of reading to be found in most boys; stories of adventure were my especial delight, but I eagerly read stories of any and every kind that came in my way; for heavier reading I had little inclination; books of travel were good if they were well filled with incident, but the descriptive parts I usually skipped. Of course, such a taste as this is not the one most to be commended, but a taste even for story reading is better than to have no taste for any kind of reading. And Mr. May, who seemed to take an interest in me, instead of trying to persuade me to drop stories for other matter, encouraged me to go on, only he laid much stress on the fact that there were many degrees in stories. His library contained a good collection of novels; among them I remember Scott's, James', Bulwer's, Miss Porter's, Miss Edgeworth's and others of those times. Scott's "Ivanhoe" looked rather dry to a boy who had been reading "The Trapper's Feast," but a few words regarding its hero made me desirous of reading it, and through it I became interested in early English history, and I found myself reading history with a greater relish than I had formerly read Cobb's stories. I mention the matter here to impress it upon the clerks who see these chapters, that every young man has it largely in his power to educate himself, and that the evenings spent with good books are the most profitably spent of boyhood.

Between my sixteenth and seventeenth years I grew fast in maturity. I was the oldest child and my mother was poor; what she earned with her needle and my small salary kept a family of five of us. There were no extras about the house nor much but plain fare set before us; our clothes were home made and chosen for service rather than for style. It seems as if life under such aspects was not very pleasant, but there are a great many comforts in life that do not depend on money altogether; we were able to keep out of debt and we had our home and each other, and, thank God, a mother's love is the same let her be rich or poor.

When I was seventeen Mr. Ely said to me that Harry was going to leave, and if I could do the work with a boy to help me, he would advance my salary two hundred dollars a year. I felt abundantly able to take Harry's place, and when he left I began to put in practice a great many ideas that he had laughed at when I had mentioned them to him. I explained them to Mr. Ely and he told me to go ahead.

I think our store was far ahead of the average country store of to-day; I rarely meet in my travels, and I am "on the road" more or less, any store that is kept neater than we kept ours, while I rarely find anywhere many nearly up to it. I had noticed that there were two lines of goods in every branch of trade, one that people bought because they needed, the other of goods they bought because they saw them. This was true in dry goods, it was no less true of groceries, and it was largely so in boots and shoes and hats and caps. In our town it was the fashion to display the staples in each line; we piled unbleached cottons and prints at the door; had boxes showing various kinds of sugars in the windows, and kept a pair of cowhide boots swinging over the door.

I reasoned that these were goods everybody wanted and that everybody bought, and that they rarely bought except when they did want them; they would come in and call for them anyhow; they must have them. But there was a large line of "fancy" goods that came partly under the head of extras that the eye would be pleased with and tempt a purchaser.

We went to work and cleared our show-case of plug tobacco, ladies' hosiery, buff envelopes, etc., and made a brilliant display in it of buttons, ribbons, edgings, braids, and goods of that kind; we put wires over the counters near the ceiling and on them pinned hosiery, handkerchiefs, collars, gloves, and similar articles. In the window where we had been wont to show sugars and a box of bar soap we made a display of raisins, spices, and candy, and on the counter we piled up ground coffee in fancy packages, and chewing tobacco in handsome boxes; the shelves were full of goods having pretty labels, and the grocery department was an ornament to the store.

To anyone who has never tried the effect of a good display of fancy goods, I doubt my ability to convince them of the difference between that method and the old fashioned way of piling everything hap-hazard, but the difference is there and one has but to make a small trial of it to be convinced. Mr. Ely confessed before the first month was over that our trade had increased ten per cent., and the increase was entirely in the fancy goods—the ones we were most anxious to sell.

About this time we began to hear rumors of another store about to be started in town, and before long the story turned out to be a true one; some men were coming from Fairville, a city twenty miles away, and were going to open a general store. The facts were there were already more stores in the place than the place justified; two of them gave their owners a very poor living, and Mr. Ely had made money because he had money and was able to handle everything and carry his trade as they needed. But a firm from the city probably meant sharp cutting and war, and we did not enjoy the prospect. The new store was to be opened in thirty days.

Lying about four miles from our place was a German settlement of about thirty families; they were hard working, thrifty people, and no one of the stores could say it owned their trade. They sold more butter and eggs than any other neighborhood in the county, and I concluded there might be a way whereby we could get their trade and hold it; if we were to have to fight for our trade we might as well begin at once. I suggested to Mr. Ely that he should buy a business wagon, he already had a horse, and that I would go down to the settlement and see what I could do with the people in arranging for a weekly collection of their butter and eggs. He was willing I should make the attempt, so next week I started off one morning on what was my first drumming trip.

Delivery wagons have now become as necessary a part of every business as scales and counters, but many of us can easily remember when people carried home their own goods and when one village dray did all the delivery of heavy goods for a whole town.

Pertinent Advice.

The following excellent advice is taken from an interesting paper read by Wm. H. Allen, of Philadelphia, and of which mention was made in our recent report of the meeting of the Hardware Merchants & Manufacturers' Association of that city:

"I have also learned that business can be conducted actively and yet peaceably, for while not professing to be better than others, I can make the assertion with satisfaction that in the fifty years I have never had a quarrel with any of my fellow merchants, and I expect to continue the same peaceful course to the end. I have learned that straightforward dealings beget confidence, and that it is not only a good principle, but good policy, and that it pays in the long run to do right, and it certainly is a satisfaction to me, at this time, when I know that my active life will soon end, to look back on the experience of the past with so few regrets as to the business principles that have governed me.

"I do not wish you to infer from my remarks that any of you need a lecture as to how to manage your affairs, or that you have not used your time as profitably, but I have been asked to tell what I have learned, and I have told you. Let us all so conduct our affairs that when the great balance sheet of eternity is diplayed, and all our earthly losses and profits have been counted up thereon, it may show for each one of us that in gaining what we have of this life's riches, we have not fouled our hands or our souls by anything that in that day may cause us shame."

It is reported from Reigelsville, Pa., that Clark & Cooley, who have been manufacturing the Clark Patent Window Screen for the past year, have accepted an offer for their plant from parties at Easton, to which point it will be moved in a few days.

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American or Foreign Cutlery.

Robert P. Porter, in a letter to the New York *Press* from Sheffield, quotes a Sheffield manufacturer as saying:

"A knife that will cut is said to be a luxury rarely met with in American hotels," and Mr. Porter himself states: "I am not inclined to deny the allegation in regard to hotel knives, but the general statement is a little broad, and I should like to hear the opinion of some American manufacturers on this point. Certain it is that American axes cut and are famous the world over; why not American knives?"

Landers, Frary & Clark, New Britain, Conn., who are high authority on American cutlery, write to the *Press* in reply:

EDITOR *Press:* Sir—In your issue of October 14th, Robert P. Porter, in one of his interesting letters, says that he would like to have the opinion of some American manufacturer why American table knives used in hotels do not cut. Simply because, for some unexplained reason, the average American landlord persists in using silver-plated knives, and has not yet found out that nothing makes a tough steak tender like a keen-edged knife. No manufacturer ever could or ever can make knives with silver-plated blades that will cut. You cannot find a silver-plated hotel knife in Great Britain or on the Continent, not one.

We have spent considerable time and many arguments with American hotel keepers on this very point, and are happy to say that we have made some progress. Anybody who dines at the Fifth Avenue Hotel or the Windsor Hotel will find dinner knives of as fine quality and as keen-edged as any that can be made. These knives have steel blades and are not plated. You can take the best table knife that ever left a cutlery factory, made of the best steel, ground sharp, and by silver-plating it you will make it dull. This is the only difference between the cutlery of European hotels and that used in American hotels.

In regard to the general quality, style and finish of American table cutlery, we are willing to submit samples at any time to an impartial committee for comparison with the goods of any Sheffield manufacturer, and to accept the judgment of that committee. It may be news to the readers of the *Press*, but it is nevertheless true, that nine dealers in table cutlery out of ten in the United States prefer American table cutlery and will not and do not buy the English make unless it is offered at a cheaper price than the American product.

Yours respectfully,

LANDERS, FRARY & CLARK.

New Britain, Conn., December 4th. C. L. Landers, Treasurer.

The Keating Wheels.

The Keating Wheel Co., Holyoke, Mass., are sending their friends some handsome photographs of their Keating Roadster, which is their model "K" of 1895, the weight of which is but nineteen pounds. These pictures very adequately show what certainly appears to be a very handsome and light machine. Printed upon the back of each photograph is a comprehensive description of the wheel, from which the following is taken: "The Keating Roadster, Model K, 1895, is made in two heights, 22½ and 24½ inches, and is the lightest road wheel that will be put on the market and positively guaranteed. In light weight, ease of running, and rigidity the Keating has always been 365 days ahead of them all, and is still gaining. The following are a few of our '95 improvements: New steering head; new front and rear hubs; new sprocket drum, 5 inch tread; new method of attaching front sprocket; crank and pedal; new design of sprocket teeth; ½ inch chain, direct tangent spokes without bend at the head; new detachable break; three styles of handle bars, best cork grips; elegant name-plate; and bearings positively dust-proof. One improvement for '95 to which we desire to call especial attention is a ball case from which the balls may be instantly removed without special tool, but which will not allow the balls to fall out when axle is removed. Our '95 pedal is an unbreakable combination either rubber or rat trap, and is a marvel of strength and elegance. We shall equip all Keating wheels with the best of wood or steel rims; the best detachable or cemented tires, our famous Keating saddles, and other fittings of the highest quality, in accordance with our determination to make the Keating handsomer and better than any wheel offered in '95. But four road wheels will be manuactured by us this season, viz.: Model K, high frame; and the same wheel with frame two inches lower, which we shall designate as Model K, low frame; our famous ladies' Model No. 10, with drop or curved frame, and our ladies' Model No. 11, with straight frame. These wheels will have the same improvements as described in Model K. In addition to these four, we shall make a special racing wheel to weigh not over 17 pounds, the price of which will be $125."

Make High Grade Buff Wheels.

The firm of Divine Brothers, Chadwicks, N. Y., are said to enjoy "the unique position of being the only concern in the country manufacturing nothing but a full and complete line of high grade buff wheels." They do not confine themselves to any one style of goods, but furnish all weaves and weights of cotton cloths and have a different buff for each kind of work in the buffing business. They handle nothing but the highest grade of cotton goods in the American market, and sell their goods entirely on their merits. B. H. Divine's six years' experience in the cotton mill business, being practically "born and brought up in the business," puts the concern in a position to know whereof they speak, when it comes to the use of cotton cloth in buffs; Mr. Divine left the cotton mill business to assume charge of the superintendent's office in a large metal working establishment in the East, and while there was unable to obtain a satisfactory buff, which induced him to make into buffs some of the cloth made by the concern he had left, which, although expensive, proved to be just what the market wanted, with the result that to-day the concern of Divine Brothers are enjoying a large and successful business, and find that consumers appreciate a first-class article.

Comment on American Tin-Plate.

We have the authority of an American contemporary, HARDWARE, for the statement that skilled tin-plate dippers have been getting as high as two pounds per day in wages, and that one pound per day has thus far, as a rule, been the minimum wage. Of course, this has been in the early days of the new industry, and doubtless all the workmen were skilled men from this country, and equally, of course, such phenomenal wages cannot last, though the workmen are combining to maintain them in face of a general proposal by the manufacturers to bring about a reduction to enable them to continue the manufacture under the reduced import duty. Nearly all the tin-plate works in the States are now closed, however, but if the wages question is settled satisfactorily they will doubtless open again. In fact, it is hardly likely that the large amount of capital invested in starting tin-plate works will be simply thrown away, and some way will be found out of the present difficulty. *Hardwareman* (*London, Eng.*)

The stove manufacturers of Louisville, Ky., are greatly pleased over the lower freight rate, which went into effect some days since. Heretofore the rate to Chattanooga on stoves and stove material has been fifty-seven cents a hundred pounds when shipped in less than carload quantities, and forty cents when in carload lots. This has been lowered to thirty-eight and thirty-four cents, respectively. Chattanooga is mentioned only as an illustration, as the rates to other Southern points are lowered proportionately. The stove manufacturers had been endeavoring for some time to secure a lower rate.

The Waterman Machine Tool Co., Oakland, Me., are running full blast. This is the plant formerly operated by the Dustin & Hubbard Mfg. Co., which has been idle two years. There are seventy-seven men employed. The principal business is the making of knitting machines which are shipped to Providence, R. I. It is understood that the company have orders enough ahead to keep a day and night crew at work for nearly a year. This plant was leased by the company last July for a term of five years.

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The Latest Catalogues.

The Jos. Dixon Crucible Co., with works and general offices at Jersey City, N. J., and salesrooms in New York, Philadelphia and San Francisco, manufacturers of crucibles, pencils, graphite axle and machine grease, stove polish, roof and stove stack paint, core wash, electrotyping graphite, belt dressing, cylinder and machine oil, felt erasive rubbers, etc., etc., have issued their catalogue for 1895. The company were originally manufacturers of Dixon's Plumbago Crucibles, known in brass and metal foundries the world over; Dixon's Carburet of Iron stove polish, used in almost every home since 1827; and other graphite products. In 1872 they found themselves with every facility in the way of improved machinery, with the necessary knowledge and experience, and securing a mine of the choicest graphite to be found in the United States, they determined to place upon the market a line of pencils which for workmanship, for uniformity of grading in degrees of hardness, for smooth, tough leads and fine quality, should have no superiors and, perhaps, no equals. In this the company have certainly met with remarkable success. Everything is American about the goods, capital, brains, labor, machinery and so on, but the foreigner has not scrupled to copy every detail of their goods, the Chinaman doing this very successfully, only that the quality is excessively poor. The company now manufacture over five hundred different styles of pencils, which, to a man who was a boy in the last generation, who, when pocketing his Faber, about the only lead on the market, in 1855, must look upon the growth of the industry and the demand now attained as a marvel of an advancing civilization. The catalogue, which consists of forty octavo pages, is finely illustrated. The cover is a work of art. The illustrations of the graphite mine at Ticonderoga, N. Y., and the rafting of cedar logs to the Dixon mill at Crystal River, Fla., are finely executed, as well as instructive.

C. W. Dunlap & Co., with a post-office address Box 2703, New York City, have issued their catalogue for the season, of their line of Housekeeping Hardware and Garden Tools. It comprises thirty-four pages, and is finely illustrated and printed. The line consists of mincing knives, steak pounders, cake turners, fish turners, kitchen forks, skewers of all descriptions; kitchen, bread and hotel bread knives; ham, meat, oyster, clam knives; household hammers for various purposes, tack claws, carpet stretchers, slicers, can openers, clothes sticks, ice picks and tools, lemon squeezers, kitchen tongs which will pick up a pin or a cocoanut, cover lifters and pokers; furnace rakes, cane and umbrella holders, wall scrapers, box scrapers, cold chisels, awls, nail sets, punches, hat hooks, cotton and merchandise hooks, garden and floral sets in all detail. Mr. Dunlap is one of the pioneers in the Hardware trade, and years ago he resolved to make the best of goods—a resolution that he has devotedly carried out through thick and thin. Sometimes the profits were thin and the troubles thick, but he has never wavered, and has gained reward enough to testify to the correctness of his principle.

The Gibbs Mfg. Co., Canton, Ohio, have issued an attractive catalogue which shows their Hardware specialties, which are already so well-known that they hardly need introduction to the trade. Among them may be mentioned can openers, curry combs, garden rakes, trowels and weeders, hand weeders, lawn rakes in great variety, lawn sprinklers, nozzle holders, post-hole diggers, pruning shears, wagon jacks, etc. All these goods are warranted by the makers against imperfect material and workmanship. The catalogue is handy, neat and comprehensive, and upon the cover may be seen a picture of their extensive works at Canton. The catalogue is now ready, and will be sent upon application to anyone interested in that line of goods.

Jos. H. Seed, Nos. 21 and 23 Centre Street, New York, has issued a neatly illustrated catalogue of his patented specialties, which have now become known as household words in many a home and office in the United States. He has water filters of the highest description, four sizes "Matchless" self-lighting gas burners, gas stove stand and drop light, gas boiling stove, alcohol stove, gas tip cleaner, hat and coat hangers, pantaloon hangers, cigar cutters, paper bag holders, can openers, family soldering sets, screwdriver and wrench, sad iron, towel holders, automatic alarm bells, automatic knife, etc. Mr. Seed has a great reputation for devising articles that will lessen the labors of the busy man or woman.

Kraeuter & Co., No. 577 Eighteenth Avenue, Newark, N. J., have issued a catalogue, illustrating and describing their Ticket Punches in great variety and numerous shapes. The punch has become a standard article in the Hardware line, not only upon railroads, but in stores and other places. Any who wish information upon the subject, will do well to send for this publication, asking for their Catalogue No. 2.

Sargent & Co., New York and New Haven, have issued a monograph showing both by illustration and description the good points of the Eclipse check and door spring manufactured by them. They show the article itself, and its various methods of application, and also illustrate and describe the Eclipse dumb-waiter check. Prices in full are given.

Patterson, Gottfried & Hunter, Nos. 146–150 Centre Street, New York, are sending their friends a handsome little card, upon which is pasted a fac-simile of the Arcade file. Upon the card is the following legend: "This will do to scratch a match on, but if you want a real file, try the Arcade. It is the best."

The Wisconsin Refrigerator Co., Eau Claire, Wis., have issued a handsome illustrated catalogue and price list of their "Wisconsin Peerless" hardwood, dry-air household refrigerators, their ice chests, sideboard refrigerators, etc. The catalogue is handsomely printed and illustrated in colors.

Marion Cycle Co., Marion, Ind., and No. 2208 Michigan Avenue, Chicago, are sending their friends a little circular, which gives an illustration and full description of the Halliday-Temple Scorcher bicycle manufactured by them. The same will be sent upon application.

F. E. Myers & Brother, Ashland, Ohio, have issued a catalogue illustrating and describing their pumps and hay tools, and about anything that can be imagined in this line seems to be represented here. The catalogue will be sent upon application.

Overman Wheel Co., Chicopee Falls, Mass., have issued a handsome catalogue of the Victor bicycles, with heavy embossed covers, and printed in a most artistic manner. Their line of wheels and specialties is very fully described.

H. S. Robinson, No. 990 Water Street, Meadville, Pa., has issued a little catalogue describing his Bicycle specialties, among which is Robinson's Home trainer, automatic guards, cyclometer, toe clip, etc.

The Standard Lighting Co., Cleveland, Ohio, have issued a fine catalogue of their Vapor Stoves, printed and illustrated in colors in a very artistic manner. The cover is gray, with embossed silver letters.

First Prize, World's Fair, 1893.

It will be remembered that among the prominent winners of prizes at the World's Columbian Exposition, was the Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York. This was the result of a very fine display, coupled with an article of merit. We are informed that "over 2800 of these machines are in operation, giving universal satisfaction." The firm enjoys the distinction of making what is described as "an absolutely flexible shaft, manufacturing under three patents and building a great variety of power clipping machines, including steam, electric, hand power and their famous bicycle styles. It is a simple, rapid and perfect machine, and will pay for itself in a few days usage. No business pays half so well for the capital required to buy a machine. Some clippers make from $500 to $1500 a season; $3 is the price usually paid for horse clipping, and five to ten may be clipped per day with this machine. Send for catalogue and receive full particulars and valuable information on the subject." Among the new improvements to be ready January, 1895, may be mentioned a rotary knife and reversible rotary brushing machine.

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Stoneware: Staples and Novelties.

In looking through the illustrated price list and catalogue issued by F. H. Weeks, Akron, Ohio, manufacturer of Staple Stoneware and Stoneware Novelties, one is struck by the extent and variety of articles that are made under these names. Among the articles he is offering the trade may be mentioned meat tubs, butter jars, jugs, churns, milk pans, water jars, stew pans, filters, fountains, batter pails, jardiniers, cuspidores, spittoons, egg beaters, etc. We are permitted to show several illustrations of some of the most successful of these specialties. In Fig. 1 is a shoulder jug, running from one-half a gallon to three gallons, and strong and serviceable in character. In Fig. 2 may be seen his white glazed bailed jug, old style, while the new, or XXX style, is shown in Fig. 3. "If you buy the XXX jug," says Mr. Weeks in description of the same, "the risk of breakage is one-half less than with common jugs, which is such a great item both in use and in shipping that this advantage alone will pay the difference in cost. It takes one-fifth less room in packing, and it weighs less, which saves money two ways for you. You can pour from it as nicely as from a pitcher, and that is worth the price of the jug. It is the jug



FIG. 1.



FIG. 2.



FIG. 3.

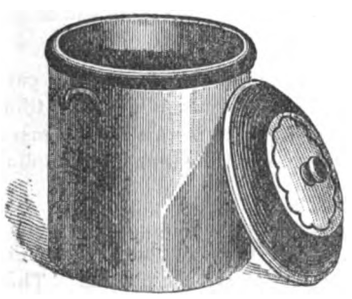


FIG. 4.



FIG. 5

the druggist, the grocer, the liquor dealer, the syrup manufacturer, the catsup and vinegar manufacturer all want. It is the jug the farmer has been looking after for the last one hundred years to carry to the field for a water jug. These jugs are glazed with white Bristol glaze, nearly as white as C. C. ware; are graceful in outline and finely finished, and we do not hesitate to say that we think them far superior to any jug on the market at anywhere near the price at which they are sold."

In Fig. 4 may be seen a butter jar, with cover. In sizes, this runs from one-fourth of a gallon to twelve gallons. A low butter jar is also made, running up to four gallons. Figs. 5, 6 and



FIG. 6.



FIG. 7.

7 are of glazed wares, being respectively a fancy glazed jardinier, with raised decorations and assorted colors; a fine glazed cuspidore, of assorted colors; and a fine bar-room spittoon, of stoneware glazed, and raised decorations. In speaking of these goods the maker says: "The wares which are here represented are, without question, far and away ahead of any others on the market that can be bought for the price at which we can and will sell you these. They are not painted, but glazed in solid colors, ranging from a light straw to black, with blues and greens included. The decorations are in raised work, and the glaze is as bright and smooth as the finest Majolica, Rockingham or yellow ware glazes. They are so far superior to the gaudily painted red ware on the market in appearance, utility and cleanliness, that there is no comparison between them."

Mr. Weeks is also manufacturer of the "Perfect" Egg Beater, an illustration of which may be seen upon page 10 of this issue. "One hand only," he says, "is used in operating the 'Perfect' Egg Beater, leaving the other hand free to introduce at will such other ingredients as are desired. The movements of the hand up and down will obtain a reverse rotation of the agitators of 500 to 1000 revolutions per minute, as willed by the operator. We will guarantee to beat the whites of two or three eggs to a froth that will stand alone in 30 seconds. The Perfect Egg Beater is as easily and quickly cleaned as a fork, and will accomplish the same result in one-twentieth of the time without fatigue. A Perfect Egg Beater is a constant source of pleasure and relief to the wife and mother, whose duties are never done."

Dealers who are interested in these goods can, at the cost of a postal card, obtain Mr. Weeks' price list and such other information as they may desire.

Bicycles in the Hardware Trade.

INCORPORATIONS, NEW FIRMS, AND WHEELS ADDED BY THOSE ALREADY EXISTING.

Columbus, Ohio.—The Indianapolis Bicycle Co. will open a branch store, and have contracted with Perry D. Gath to take the local management.

Cleveland, Ohio.—A movement is reported on foot, looking to persuading the Lozier Bicycle Co., recently burned out at Toledo, to rebuild in Cleveland. Akron, Ohio, is also offering inducements, and a Western Pennsylvania town is reported to have made an offer of $25,000 in cash and $25,000 in land as a bonus to the company for locating there. The Lozier Co., however, have issued a circular letter to the trade, which does not indicate any contemplated change of location. It appears that the damaged buildings are not in so bad a condition as was at first supposed, and within sixty days manufacturing will be resumed. In the meantime the company says it is in position to fill all orders.

Bristol, Conn.—The New Departure Bell Co. are putting on the market a new bicycle bell called the "Midget."

Kansas City, Mo.—Willard & Johnson, new bicycle store opened, and will handle the Syracuse and Rugby wheels.

Indianapolis, Ind.—The Hay & Willit Mfg. Co. has been incorporated, to succeed the bicycle firm of Hay & Willit.

Rochester, N. Y.—The Punnet Cycle Mfg. Co. has been incorporated, with a capital stock of $5000.

Hamburg, Pa.—The Wilhelm Bicycle Mfg. Co., of Reading, have completed the erection of their new bicycle factory and commenced operations the first week in December, and announce that sufficient orders have been booked to give steady employment to 200 men a month.

Perry, N. Y.—W. O. Davis, bicycles, etc., removed to Warsaw.

Kearney, Neb.—The Kearney Cycle Mfg. Co. will commence operations January 1st, giving employment to 50 men. This company has recently been incorporated by William A. Falloon, J. S. Morrison, J. Rohde, C. Lewis and W. B. Walker, with a capital stock of $50,000. Two grades of wheels will be manufactured, one of which will be called the "Kearney" and will be a roadster, and the other will be the "Kearney Special" and will be a racer. The city of Kearney have given the company power for manufacturing for five years free, and if the trade warrants, three other high grade wheels will be put on the market.

Orangeburg, S. C.—Brunson & Bros., who have opened new Hardware store, have taken up bicycles. Correspondence is invited with bicycle manufacturers looking to accepting agency.

Portland, Me.—The Climax Mfg. Co., incorporated with J. C. Wells, of Chatham, Mass., president, and E. G. Cane, of Chatham, Mass., treasurer. Will manufacture and deal in bicycles and bicycle fixtures; capital stock, $10,000.

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The Sale of Their Crane Department.

A brief mention was made in HARDWARE last preceding of the sale by the Yale & Towne Mfg. Co., Stamford, Conn., and New York, of their Crane department to the Brown Hoisting & Conveying Co., Cleveland, Ohio. This change took place on December 1st. Mr. Towne, president of the Yale & Towne Mfg. Co., has briefly given the reasons for this step, in a letter to the trade, from which the following points of interest are taken: "Our engaging in the crane business originally, some seventeen or eighteen years ago, was an accident arising from the fact that we were already engaged in the manufacture of the Weston pulley blocks and other hand-hoisting machinery, and from personal perception, based in part on travel abroad, of the further fact that this country was far behind others in appreciation and use of cranes. Our works being located in Stamford, we naturally undertook the making of this new product here.

"At first the cranes called for were small, never exceeding ten tons capacity, and more frequently of five tons and under. A few were made for operation by power, but most of them were hand machines. The business soon began to grow, however, both in volume and in size of cranes called for. In 1881 we built a shop expressly for crane work, but the growth of the business was so rapid that in 1883 we were again compelled to build and on a much larger scale. At times even the later buildings provided for this work have been over-taxed, but, numerous competitors having entered the field, the growth of the business has naturally been distributed among them, with the effect of checking the exceptionally rapid rate of increase which previously obtained here. Nevertheless, the facilities of our crane department have become inadequate to the business, the growth of which, prior to the recent panic, had forced upon us the consideration of providing other and better facilities if the business was to be continued.

"In the meantime, however, the business had greatly changed. While a moderate demand still exists for hand and power cranes of the smaller sizes, by far the greater part of the business now consists in the building of electric traveling cranes and steam locomotive cranes of large dimensions and capacities, involving the use of large amounts of structural material and making the question of transportation a serious factor. The works of our chief competitors are located at Western points. We have had to obtain most of our heavy material from Pittsburg or other Western points, and the largest market for cranes now exists west of the Allegheny Mountains. Under these conditions, Stamford had obviously become an unfavorable point of manufacture for this work, and we were thus forced to consider the question of transferring it to a better location. A careful investigation was made, which satisfied us that Cleveland, Pittsburg or their vicinity offered the maximum advantages, and negotiations were begun last spring looking to the transfer and re-establishment of our crane business at one of these points. In the course of these negotiations we were brought into communication with the Brown Hoisting & Conveying Machine Co., already having extensive works in Cleveland, admirably suited to crane building, and already engaged in work of closely similar character. The outcome of the discussion thus started was a proposition from that company to purchase our crane business."

Mr. Towne then cites the rapid increase of the volume of their business in its older and principal lines, as another reason for the sale, and adds: "The transfer of our crane business elsewhere solves all of these difficulties, and enables us at once to make the needed extension of our Hardware departments in the best possible manner." He also says: "More recently, in 1891, we added a new department, devoted exclusively to the manufacture of cabinet locks in almost endless variety, and in 1894 we acquired possession of the Branford Lock Works, where we now manufacture a complete line of locks and builders' Hardware of popular and less expensive character than our Stamford product. The trade catalogue of our Hardware products is now comprised in four volumes, aggregating 1260 pages, to which additions are constantly being made. These facts are sufficient both to explain and to justify our decision hereafter to concentrate our energies and growth upon builders' Hardware and allied products. The sale of our crane business, which has just been effected, is merely one step, although an important one, in the consummation of the plans and policy upon which we decided many months ago, and to the carrying out of which we are definitely committed.

"The sale of the crane business includes crane work of all kinds, crabs, winches and tramrails. Our long established business in chain pulley blocks, including Weston's differential block, Weston's triplex spur-gear block, and our new duplex screw block, as well as our line of double-lift hoists, will be continued by us as heretofore."

Banner Oil Heater.

The Plume & Atwood Mfg. Co., No. 18 Murray Street, New York, have scored so many successes that when they pronounce their Banner Oil Heater "the greatest success of the season," they mean more than so many empty words. They certainly have met with great success in its presentation to the trade. The Heater, an illustration of which is here shown, is described as simple, novel and practical, and "will burn from ten to twelve hours, and heat comfortably a room fifteen to twenty feet square; with no smoke, no odor, and perfect combustion." The detailed points of description are as follows: "The oil fount is brass, handsomely embossed and highly nickeled. It holds one gallon of oil. As each fount is tested under steam pressure before leaving factory, there is no danger of leaking. The fount frame is artistically made of wrought iron, making a solid base for the stove. The burner is the best made, and only one with inside feeder wick, allowing all the oil to be consumed. The indicator shows at all times how much oil there is in fount. The flame is regulated with our ratchet wick movement, which allows the wick to be raised or lowered with nicety and exactness. The drum has a sliding door for lighting. The round openings allow the cold air to be drawn into the hot air chamber, which becomes heated and is thrown off with the radiating force, thus making a triple draft."



NO. 971 BANNER OIL STOVE. HEIGHT, 26 INCHES.

The Bell Hanger.

Bell's Wire Eave Trough Hanger, manufactured by Jno. W. Bell & Co., Mercer, Pa., has been on the market for some eight or ten years, and has come to be recognized as a leading first-class, low priced hanger with the trade generally. They are sold by the jobbing trade throughout the Eastern and Middle States, and west to Missouri River points, and south from "Atlanta to the sea." They are manufactured in nine different sizes, and to suit the various shapes and sizes of trough. The manufacturers will send free, on application, a sample of any desired size, together with price list and a list of jobbers who sell them.

We have received from the American Artisan press, No. 61 Dearborn Street Chicago, a copy of the "Furnace Work Manual," from the pen of Sidney P. Johnson, which is an exposition of furnace work in all its branches, and a practical compendium upon furnace work; contains near three hundred pages, thoroughly illustrated, and seems to cover the field described, in a most able manner.

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New Goods in the Market.

If you have anything NEW, let the world know it by illustrating it in these columns.

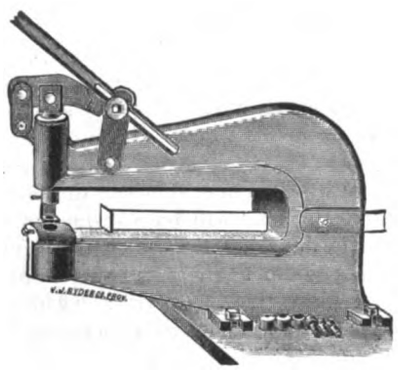
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

No. 2 Foot Press.

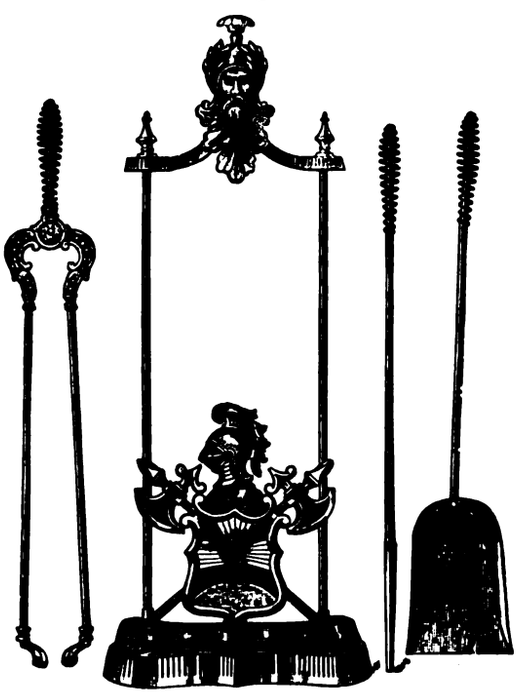
The Foot Press here shown is being manufactured by R. M. Clough, Tolland, Conn. It is intended to do heavy punching



without bolt, and has capacity of punching half inch holes in one-eighth iron, eighteen inches from edge, or to centre of thirty-six inch square sheet, and will take in pipe. This punch can be fitted to work by foot lever or by hand lever, or both. It can also be run by power. The punches and dies are round, "thereby costing less than any other shape." Punch shanks are 23-32 inch in diameter; Dies are 1½ inches in diameter by one inch in length. This punch can be fitted to punch inch holes. The dies and punches are self-setting, and can be easily changed from one size to another. It has gauges for the edge of sheet and also gauges for distance of holes apart, adjustable from one inch to twelve inches. Each machine is furnished with foot lever, springs, and everything complete to start up, and is especially designed for heavy punching.

"Alaska" Fire Set.

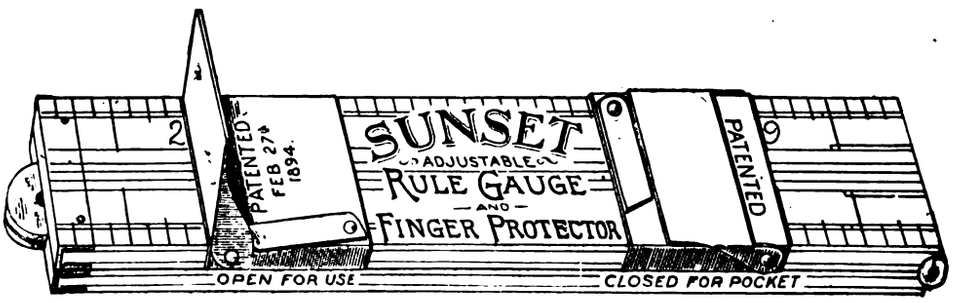
The Troy Nickel Works, Troy, N. Y., are offering the trade the handsome "Alaska" Fire Set here shown. It comprises tongs, poker and shovel, with a stand for the same. These articles are described—like all goods of this line—as "always



cold." They are finely nickel-plated, and are an ornament as well as a useful adjunct to any room in which they may be placed. The manufacturers will be pleased to send prices, etc., upon application.

Sunset Rule Gauge.

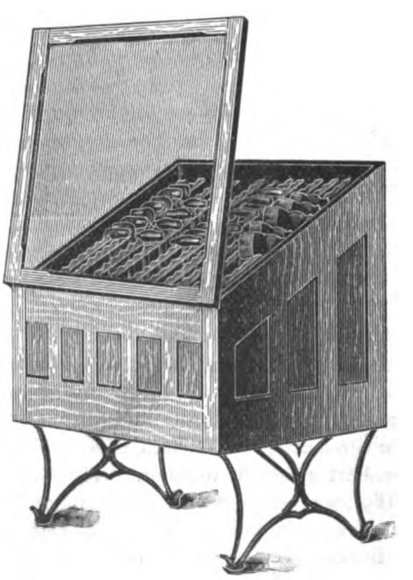
The Sunset Rule Gauge here shown is manufactured by J. J. McManus, Nos. 751-753 Market Street, San Francisco, Cal. It is made of brass, of the size and shape here shown, and is described as "applicable to any ordinary two foot pocket rule; easily adjusted; is to be carried on the rule in the pocket when not in use, and as a finger protector, when on the rule, it protects the finger from splinters or a rough surface when scribing a line parallel to the edge. As an adjustable gauge it can be placed at any required position on the rule simply by sliding. It may also be used as a marking gauge, and with a pencil or scratch awl, all work usually done with a marking gauge, mortise gauge or panel gauge can be performed; can also be set in



an instant, as a hinge gauge for marking the cuts on doors and casings in fitting butts or hinges; may be used as a compass or divider by sliding the gauge so that the rivet on either side of the gauge from the end of the rule to the measurement of the radius of the circle gives the centre or revolving point, a pencil or awl giving the marking point."

Hammer and Hatchet Case.

F. A. Herrick & Co., No. 228 Second Street, Jackson, Mich., are meeting with no small degree of success in the introduction of the Hammer and Hatchet Case here shown. It holds 120 of these articles, and the claims advanced for it by the makers are: "The attractive appearance. Every article in the case is seen at a glance. Being enclosed in a case, they are kept free from rust. Any article in the case can be removed by the salesman only, as the glass cover is hinged on the front and lifts up from the back, thereby preventing the customer from handling only such articles as are shown him. The case is finished on the back the same as on the front so that it can be used in any part of the store desired. We fit the case up in three ways, viz.: No. 1, which holds 66 hammers of various kinds and sizes, and 54 hatchets and hand axes of various kinds and sizes. No. 2, which holds 164 hammers only of various kinds and sizes. No. 3, which holds 90 hatchets and hand axes of various kinds and



sizes. The size of Nos. 1, 2 and 3 cases are the same, viz.: 36 inches long, 26 inches wide, 47 inches high on the back and 32 inches high in front. The back of the case has a drop door hung with spring hinges so the lower part can be used for surplus stock. The glass cover has a supporter to hold it up when showing goods. The case is made of oak and nicely finished,

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The brackets are malleable iron and japanned. The legs or standards are cast iron and japanned also. The case, when filled with tools and placed in any store, attracts attention at once and will increase sales. List $27. Discount."

Mossberg Wrench.

The Wrench here shown is being placed upon the market by the Mossberg Wrench Co., Attleboro, Mass. They say that it



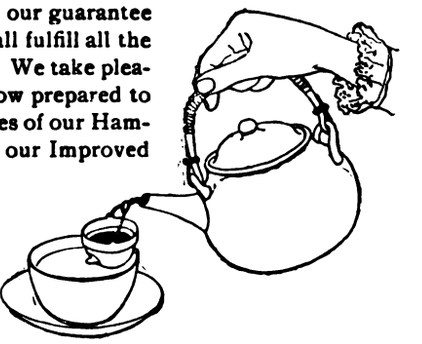
"has many good qualities that commend themselves to the user, chiefly among which is its strength; is made of the very best material that can be obtained for the purpose, and is well tempered. The handle is made out of drop forged steel; the two sliding bars or shank is made out of drawn steel wire. These steel rods are screwed into the outside jaw and riveted over. The opposite ends of these rods are cut down and threaded to receive the nut."

Automatic Ejector Gun.

The Lefever Arms Co., Syracuse, N. Y., have commenced the manufacture of the Automatic Ejector Gun here shown. In describing it, and advancing its claims upon the sporting world, they say: "We have decided to place upon the market the medium-priced Lefever Hammerless Guns, fitted with Automatic Shell Ejector. The high prices heretofore demanded for ejector guns have made them a luxury in which few could indulge. Sportsmen have been anxiously looking forward to the time when a first-class and reliable ejector gun would be within the limits of their pocketbook. It has always been our pride and aim to anticipate the desires and fulfill the requirements of the sportsmen of America, and to keep a step in advance of the times in mechanical improvements as applied to shotguns. We are gratified to be able to say to the public we can now furnish Lefever Guns fitted with Automatic Shell Ejectors at prices within the reach of every sportsman. In offering to sportsmen our Improved Ejector Movement, we are offering a device that has been subjected to the severest test, and pronounced by hundreds of sportsmen a success in every respect. It consists of only two pieces; one is a hook pivoted in the hammer; the other is a lever pivoted in the frame. The simplicity of the construction of the movement is such that it does not in any way weaken the mechanism of our gun, or interfere with any of its compensating features. The ejector



parts can be removed by anyone, without a possibility of a mistake in replacing them. There are no extra movements to make or increased force to be used in manipulating the gun. All that is required of the operator is to handle the gun just as he would our gun without the ejector. Only the discharged shell is ejected and it is thrown with force a good distance. The hammers always cock before the shell is ejected. We believe we are justified in saying our Improved Ejector Gun, in its present form, is the most simple, durable and effective ever known. Tens of thousands of Lefever guns in the hands of sportsmen in the United States and territories have seen years of hard service, and are to-day giving entire satisfaction. Sustained by such a good record, we are sure sportsmen are ready to receive in good faith our guarantee that our Ejector Gun shall fulfill all the pledges we make for it. We take pleasure in saying we are now prepared to accept orders for all grades of our Hammerless Guns fitted with our Improved Automatic Ejector."

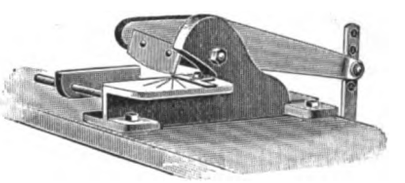


Ideal Tea and Coffee Strainer.

The Ideal Strainer Co., No. 208 State St., Boston, Mass., are placing upon the market the Ideal Tea and Coffee Strainer here shown. They describe it as substantially made, beautifully finished in nickel and silver plate; swings freely in the usual manner, and at the same time prevents the drops from falling upon the cloth; can be emptied of its contents before leaving the cup, and consequently there is no liquid remaining in the body of the Strainer to grow cold or become spilled on the cloth; is easily cleaned, as there are no sharp angles or corners to hold the sediment; is attached to the spout in the old-fashioned way, without springs, screws, etc., and will not scratch or mar the finest polished silver tea or coffee pot; works well for tea or coffee. Further details and prices will be furnished on application.

Clough's Foot Lever Shear.

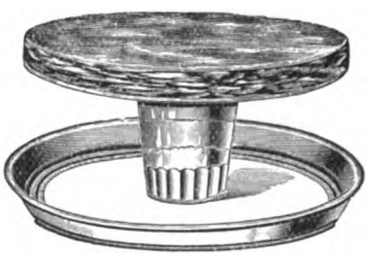
R. M. Clough, Tolland, Conn., is placing upon the market Clough's Foot-Lever Shear here shown. This Shear sets on a bench, and is worked by foot, thereby giving the workman



the use of both hands to guide his work. "It will shear one-eighth inch iron, has four inch blade, and cuts six inches. Has a gauge for parallel cutting and one for squaring and angular cutting. This makes a very handy tool for most shops, where ordinary shearing is done. The connecting bar in rear of bench has holes to suit benches of different heights." Prices, etc., will be furnished upon application.

Improved Perfection Tins.

Sidney Shepard & Co,, Buffalo, N. Y., have lately improved their Perfection Tins by the addition of a patented groove, which, they say, "overcomes the only objection that was ever made to them, viz.: that they might leak batter or juice of pies." They add: "The groove is on the inside of the rim of the tin, into which the loose bottom is sprung when in use, thereby rendering leak from accident or warp impossible, and

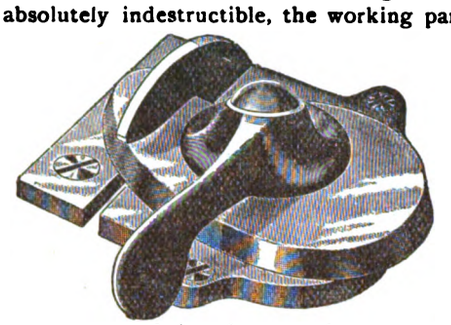


making them absolutely equal to a solid tin, while retaining all the advantages of the loose, removable bottom." The illustration shows a cake removed from a Perfection Tin. It is supported on the removable bottom, from which it may be easily slid off, while the rim falls to the table.

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A New Sash Lock.

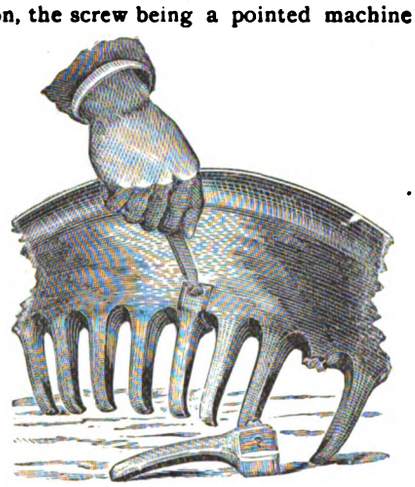
The Gardner Sash Balance Co., Chicago, Ill., are introducing a new Sash Lock which they describe as "a new departure in that line." It consists in having the latch and keeper stamped from cold rolled steel, "thus making the two essential parts absolutely indestructible, the working parts of the



lock being so constructed that there can be no wear out to it." The accompanying cut illustrates the appearance of the lock, which shows it to be neat, compact and strong. "There are no delicate parts to get out of order, there being but three pieces in its construction—the handle, latch and base plate. The lock is manufactured in all the styles and finishes of general Hardware." Descriptive price list will be sent by addressing the Gardner Sash Balance Co. They add: "Our prices as low as any first-class lock."

Adjustable Stove Tooth.

Harkins & Willis, Ann Arbor, Mich., are manufacturing a new Stove Tooth for old fire bowls, the method of attaching which is shown in the accompanying illustration. The tooth is of cast iron, the screw being a pointed machine screw, the



point entering the hole or point made by a centre punch. It is made in four sizes, and, it is claimed, will fit any bowl. The makers say that the new article is meeting with a great deal of success.

Fox Patent All-Steel Sash Pulleys.

The all-steel Sash Pulleys here shown are being placed upon the market by the Fox Machine Co., No. 135 North Front Street, Grand Rapids, Mich. In Fig. 1 we show the improved corrugated side style "C" Steel Pulley, and in Fig. 2 the man-

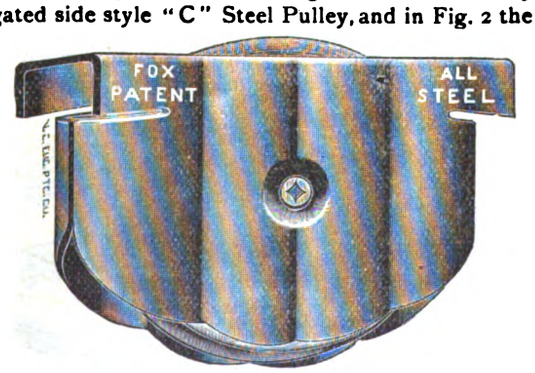


FIG. 1.

ner in which it is applied. The makers describe these goods as "light, strong and admitting of rapid insertion in position; the round end of the shoulder gives the pulley a firm support in the jamb, enabling the pulley to effectually resist the continual strain of the weight; while there is no splitting of the jambs when inserting the pulley, as the shoulder fits snugly in the mortise and can be pushed down as far as the projections, which, when driven down, form a staple, holding the shoulder firmly in position. The full circle at each end insures the cord

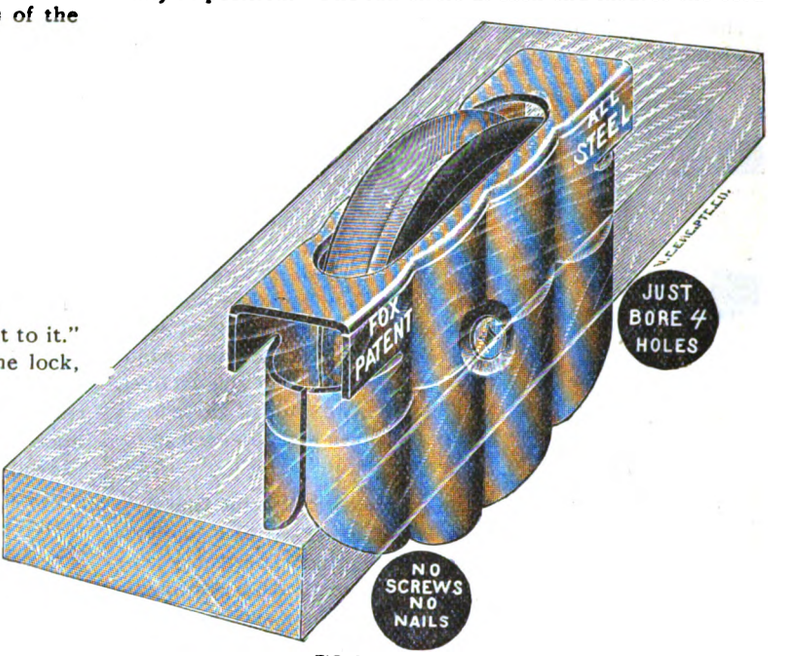
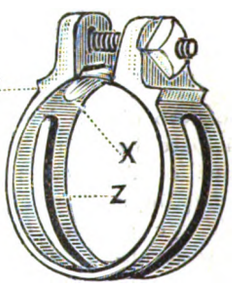


FIG. 2.

always remaining on the pulley. One push with a four hole bit cuts the mortise, and that one blow and a few taps on the side will force the pulley into position, and no nails or screws are required."

Yerdon's Double Hose Band.

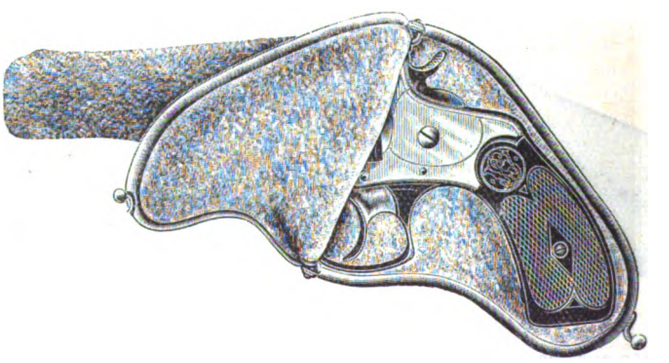
William Yerdon, Fort Plain, N. Y., is successfully placing upon the market the improved Double Hose Band here shown. It is made of a mixture of copper, tin and aluminum, and in describing the same the maker says: "The shoulders which receive the adjuster are prominent features, and it is wonderful the ease with which the bands can be applied with the use of the adjuster, and there is no limit to the tightness to which the bands can be drawn about the hose. The utmost care is taken in the mixture of the metal and their construction is faultless, so that I warrant every band sent out."



The illustration shows the band ready for attachment to the hose. Samples and discounts will be furnished upon application to the manufacturer.

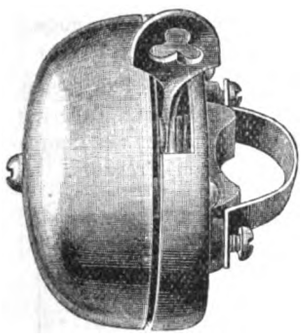
Buckskin Revolver Pocket.

Hartley & Graham, Nos. 313-315 Broadway, New York, are placing upon the market the buckskin chamois lined revolver pocket here shown. It has a nickeled brass rim, firmly closed over the edge of the leather, hinged at the centre, with a ball friction catch at the end, "which is quickly unfastened by a



dexterous twist of the thumb and finger, or can be left unclasped when quick use of the revolver is anticipated. This pocket is flexible and compact in form and is fitted to the lines of the pistol; is not cumbersome and keeps the firearm clean

and free from dust and dirt, as well as rust from perspiration." They are made in two sizes and several lengths of barrels, as follows: No. 1, 0.32 calibre, 3 and 3½ inch barrel; No. 2, 0.38 calibre, 3¼, 4 and 5 inch barrel. The pockets are adapted to Smith & Wesson, Forehand, Harrington & Richardson, Iver Johnson and like automatic revolvers.



An Improved Bell.

The Hardware Specialty Co., Nos. 61 and 63 Mulberry Street, Newark, N. J., are placing upon the market a line of pure bell-metal gongs. They explain that all these bells are put together with screws, and are easily taken apart and repaired. We show herewith their improved Bell No. 50, of which the makers say: "Our object in making this bell is to give he trade a small rotary hammer bell that will be strong and durable, and at the same time compact and serviceable. As the pioneer makers of rotary bells we have always kept up the standard of our goods, and guarantee every bell that we make. We also have a flexible bridge to support the gong, so that when the gong is hit or comes in contact with any hard substance, the bridge gives, and gong flies back to its original position without breaking."

Forg's Tool Racks.

P. Forg, manufacturer of cabinet and builders' Hardware, Somerville, Mass., is manufacturing the Tool Racks here shown. In Fig. 1 is shown the Rack itself; in Fig. 2 several single holders. These are made of sheet steel, and are nickel-

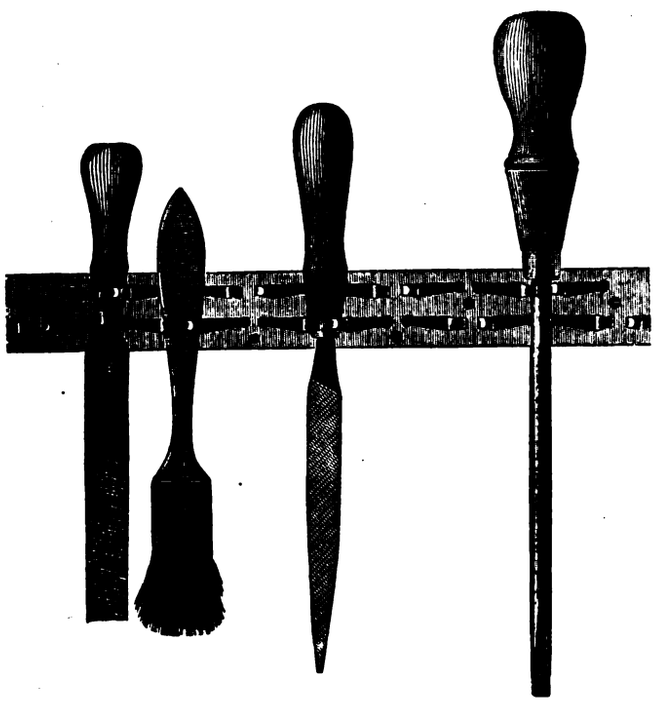


FIG. 1.

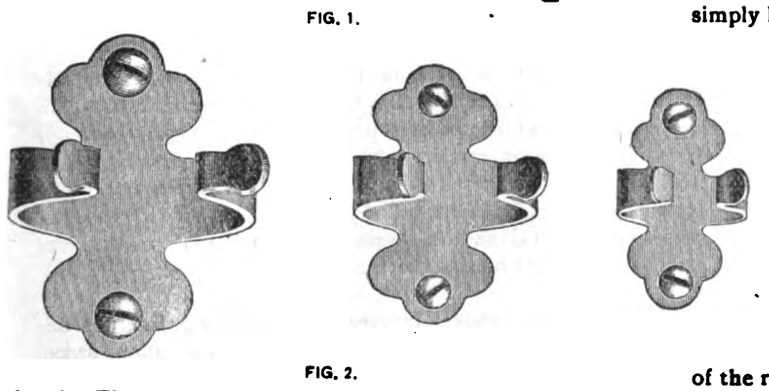
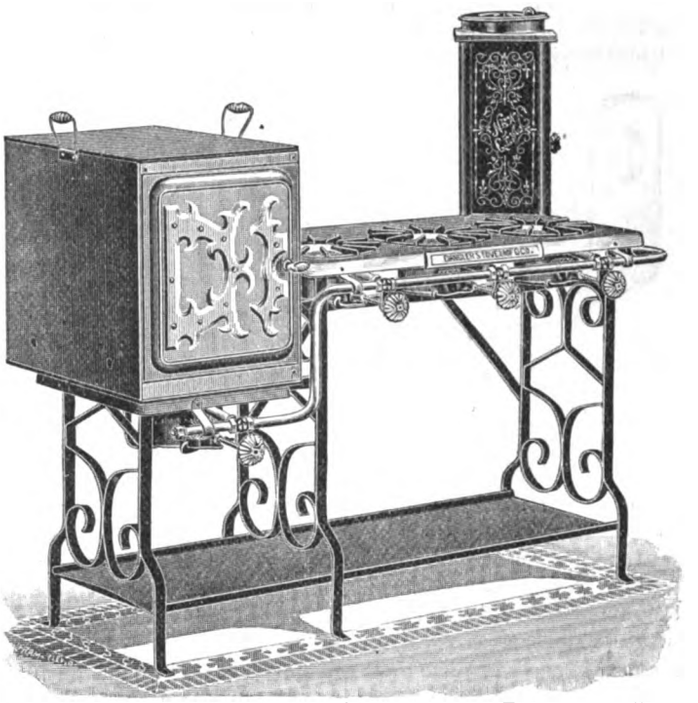


FIG. 2.

plated. They are made in lengths of two feet, with clasps of three sizes, viz.: ⅝-inch, ⅞-inch and 1⅛-inch, and are described as "suitable for hanging up files, tools, etc., in factories, workshops, closets, tool chests, etc." Mr. Forg will be pleased to send fuller descriptions and prices upon application.

The Dangler "New Gem."

In this connection we show in the "New Gem" a stove which the makers, the Dangler Stove & Mfg. Co., Cleveland, Ohio, describe as "a stove for the people; a stove for the



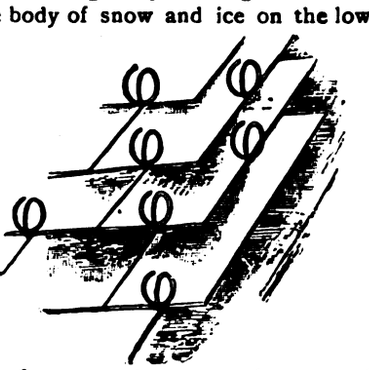
times." In further description of it they say: "This stove will prove a 'Gem' indeed, in every house that may be fortunate enough to secure one. The burner has the same flame as the Process and Delight, with the same heating power, and will do the same amount of cooking, baking, roasting, ironing, etc., while the first cost of the stove is only one-third as much as either the Process or Delight, and is much more economical, and on account of the price, capacity, convenient size and power, will be the most popular stove in the market. It is made with our celebrated Surprise and Delight Removable Tank, which is neither lay down nor elevated, but regarded as the most convenient, reliable and absolutely safe tank ever placed on a vapor stove. This stove can only be made by us, as we hold fundamental patents on the burner and tank, so that whoever secures the sale will have no competition, and hence clearly to your interest to see it before placing your orders for the coming season." They give sizes and prices, as follows:

No. 415, 3 Burner, and Step...	$12 00.	No. 412, 2 Burner, high.....	$7.00
No 414, 2 Burner, and Step...	10.00.	No. 433, 3 Burner, low.....	8.00
No. 413, 3 Burner, high	9.00	No. 432, 2 Burner, low.....	6.00

Subject to the Regular Association Discounts and Terms.

The Folsom Snow Guard.

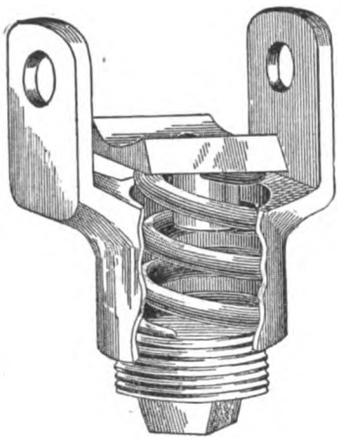
The patent Folsom Snow Guard is being placed upon the market by the Folsom Snow Guard Co., No. 33 Lincoln Street, Boston. These guards are designed for use upon either slate, shingle or tile roofs, and can be easily applied upon old or new roofs. They are described as "simple in construction and durable," and as "fast taking the place of guard rails, as a rail simply holds a large body of snow and ice on the lower edge



of the roof, which is far more dangerous than no rail at all. The Folsom Guard holds the snow in an even surface all over the roof until it gradually melts away, both from the upper and under side, and prevents snow slides. Besides being used on all the public school buildings in Boston, they are used largely in other localities, and wherever used have given perfect satis-

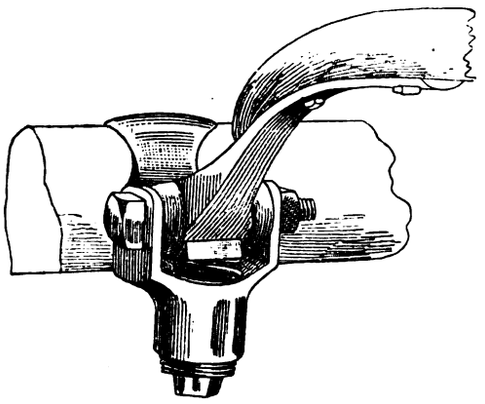
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faction." In the accompanying illustration is seen a section of roof which shows the manner of applying these guards. In added description the makers say: "One new model will protect on a ¼ pitch roof, 300 square feet; on ⅓ pitch roof, 200 square feet; on ½ pitch roof, 100 square feet; on Gothic pitch roof, 50 square feet, and we recommend their use distributed over the whole area of a roof to obtain the best results; though where expense is a consideration, or in sections where snow-falls are light, five courses of slate at the eaves with a new model guard in each joint are more efficient than a guard rail, and for a fraction of the expense."



"Haskell" Anti-Rattler.

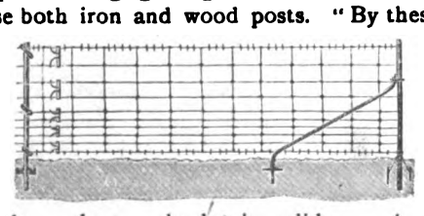
The "Haskell" Anti-Rattler for carriages and wagons, is being placed upon the market by the W. A. South Co., Salem, Mass. In describing it the company say that it is "not a cheap rubber or spring, but a perfect Anti-Rattler that will wear years, positively preventing rattle. That is all we guarantee it to do. The inside measure of the 'Haskell' will fit the outside measure of your shaft clip. We make them in eight carriage and eight wagon sizes. If it is worth while to fit your carriage or wagon with a set of rubbers or springs at a cost of 40 or 50 cents every three or four months,



we shall be glad to send you by mail prepaid, a pair of 'Haskell' anti-rattlers for 75 cents, which we guarantee to wear not three or four months, but four or five years."

Mast Woven Wire Fence.

The Northwestern Barb Wire Co., Sterling, Ill., are placing upon the market the Woven Wire Fence here shown. In describing it they say: "All our farm fences, whatever the number of wires, are of single galvanized wires. Top and bottom, No. 9; next to each No. 10; balance, No. 11; crossed with No. 14, one foot apart. All smooth wires, but will furnish barb wire for top or bottom or both, at the same price It is often desirable to have a barb wire on the top to prevent trespassing and stock reaching over and crowding the fence, and on the bottom to prevent hogs getting under." For method of bracing they use both iron and wood posts. "By these methods



of bracing, the ends are absolutely solid, are simple in construction and the most effective device to overcome the end strain the fence is subjected to. The post is a flat bar of iron driven in the ground edgewise against the wires, with an anchor of sufficient size attached below the surface to keep the post firmly in place. The wires are fastened with a simple clamp, which does not require a notch or hole in the post to secure the wires where it will weaken it, thereby retaining the full strength of the bar. The posts in farm fences are 22 feet apart." The company further say: "To introduce our fence we will deliver to any railroad town in the States west of Indiana, freight charges prepaid, a ten wire fence, 50 inches high, galvanized, at 60 cents per rod. Twelve wire fence, 58 inches high, at 65 cents per rod. Terms cash with order. Write for circulars giving full description of the Mast Fence."

Drawn-Steel Bottom Can for Ice Cream Freezers.

Under the heading of "The Newest Idea in Ice Cream Freezers," the North Bros. Mfg. Co., Philadelphia, describe their Drawn-Steel Bottom Cans (Fig. 1), which they are manufacturing in connection with their Ice Cream Freezers. In describing the same they say that it "cannot fall out or be displaced, cannot break and does not leak. It is far more secure and better tinned, and not liable to injury or leaks, as bottoms made of castings or tin-plate. This new bottom is made of heavy sheet steel, drawn into shape by powerful presses. The lower edge of body or side of can is spun out to form a shoulder against which the drawn-steel bottom rests. The lower edge of body of can is then spun over the lower edge of bottom, as shown in the cut, by special patented machinery. All cans of our freezers

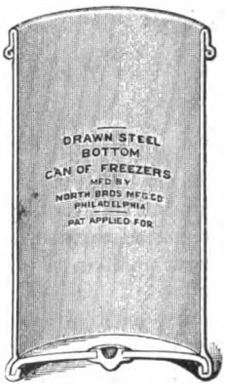


FIG. 1.

are made of the finest quality bright charcoal tin-plate of heavy gauge. They are folded and wired at top, with lock seam on side, soldered both inside and outside." They also call especial attention to their Electric-Welded Wire Hoops (Fig. 2), which are made of galvanized wire, welded by electricity. They are described as "double the strength of the old-style riveted flat hoops; are imbedded by a patented process in grooves in the pail, and clamp the staves so tightly that it is impossible for them to fall off, nor can they be gotton off the pail without the use of force sufficient to ruin the hoops or pail. In pails with flat hoops, the hoops frequently drop off; the popular idea that the wood shrinks, allowing hoops to fall off, is a mistaken one. As a matter of fact, the wood does not shrink. Timber that has been cut up and properly dried, cannot shrink any further, and pails made from such timber cannot shrink. What actually takes place is, that when the pail becomes damp, the wood swells and stretches the hoops; when the pail dries out it comes back to its original size, but the hoops cannot shrink and therefore fall off. In these electric-welded wire hoop pails the extra strength of the wire hoop prevents it stretching; in addition, the wire hoop being round, only a small portion comes in contact with the wood; the result is that when the pail swells from dampness, the wire hoop compresses the wood rather than



FIG. 2.

stretch, keeps its original size, and being imbedded in a groove in the pail, cannot fall out when the pail dries out. The flat hoop presents so much surface to the pail that it cannot compress the wood, and must stretch when the pail swells from dampness, and drop off when it dries out."

A knife is being brought out in England which has a nickel-plated handle. On this handle is stamped in remarkably plain letters the rates for letter and parcel postage, book and foreign postage, money orders, with also the rates for telegrams. The United States is a large country, but it would seem that there could be a special adaptation of this idea to the various localities and sections, and in some larger metropolitan districts time-tables could be used with advantage.

The Champion shovel factory in Phillipsburg, Pa., was destroyed by fire some days since. The loss was about $7000, with an insurance of $3000.

J. M. Russell, representing the Hughes Shear Co., Clyde, Ohio, has been in the city, advancing the interests of his company.

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Illustrated Bicycle Novelties.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Bridgeport Cyclometers.

The Bridgeport Cyclometers here shown are being supplied to the trade with great success by the Bridgeport Gun Implement Co., No. 313½ Broadway, New York. In Fig. 1 we show

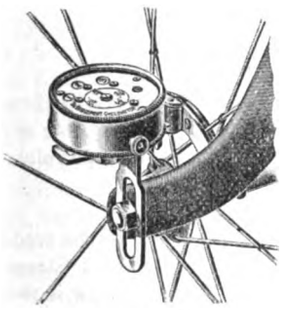


FIG. 1.—MODEL A.

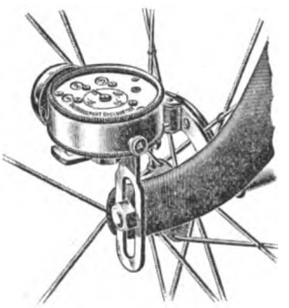


FIG. 2.—MODEL B.

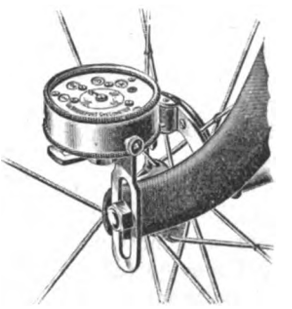
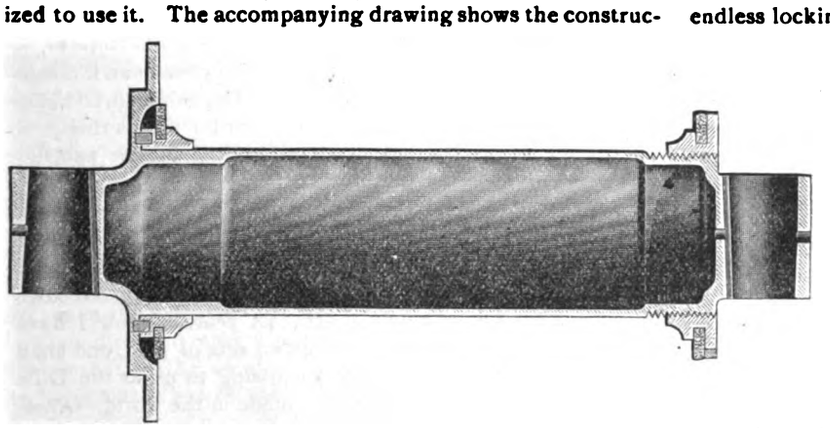


FIG. 3.—MODEL C.

their Model A; in Fig. 2 Model B, and in Fig. 3 Model C. In description of the same they say: "Model A registers one thousand miles and repeats, and can be set back to zero at will. Nickel finish, with white celluloid face plate, and enlarged figures on dials. Improved brackets and dogs. For 28 and 30-inch wheels. Weight, 6 ounces. Model B, same as Model A, with bell, which rings at every mile. Registers one thousand miles and repeats, or can be set back to zero at will. Indispensable to road riders who wish to know how fast they can travel per mile. For 28 and 30-inch wheels. Weight, 7 ounces. Model C registers ten thousand miles accurately and repeats. Recommended especially to wheelmen who take long trips, or enter for club mileage records; and also to those who do not care to set the cyclometer back to zero. This cyclometer repeats at the end of ten thousand miles. For 28 and 30-inch wheels. Weight, 6¼ ounces." The company further announce "reduced prices" upon these goods, and further say: "All Bridgeport Cyclometers guaranteed to be accurate, waterproof and noiseless. Discounts on application. An extra advance sheet with our new bicycle sundries for 1895 will be ready in a few days. Electrotypes free."

Victor Crank Axle and Bearing.

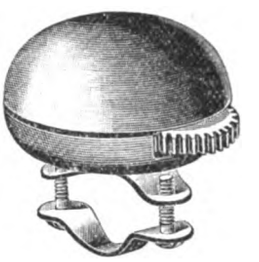
The Overman Wheel Co., Chicopee Falls, Mass., are making a special feature of their 1895 models in the new crank axle and bearing, here shown. They say: "The crank hanger is one of the most vital points in the construction of a bicycle. By repeated experiments and thorough mechanical tests, we have devised a hanger that is at once, safe, simple and strong. It is found on Victor Bicycles only, and no others are authorized to use it. The accompanying drawing shows the construc-



tion. The advantages are apparent at first sight. The axle is in one piece instead of two, both the crank sockets being a part of the axle, so that there is nothing to work loose or give way. The axle is made hollow, and its material so distributed as best to resist the strains put upon it by the rider. Increased lightness and strength are both obtained in this new form. The large bearings run easier, with less torsional strain, and at the same time give great stability to this important feature of the bicycle. This part of the machine is further improved by making the sprocket hub a part of the crank axle, and doing away with the taper pin, or crank key. This new construction is more simple, much safer, and much less liable to give the rider annoyance from any tendency to work loose."

The New Departure "Midget."

"In making a new bell for the market," say the makers of this article, "we study as closely as possible the wants of the consumer, viz.: The average bicycle rider wants a small size, light weight, medium priced Bicycle Bell—one with a clear

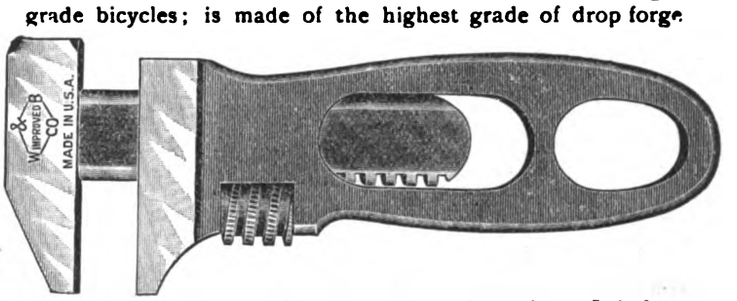


THE NEW DEPARTURE "MIDGET."

ring and easy to operate; and in the Midget they have it. It is our new bell for 1895, and is the neatest bell ever made. Size, 1¾ inches; weight, 3 ounces; single, double, or continuous ring. List price, $1.00." It ismade by the New Departure Bell Co., Bristol, Conn; John H. Graham & Co., N.Y. agents.

An Improved Bicycle Wrench.

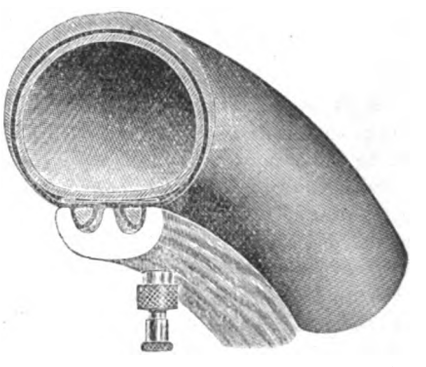
The improved Bicycle Wrench here shown is offered to the trade by the Whitman & Barnes Mfg. Co., No. 111 Chambers Street, New York. They describe it as "intended for high-grade bicycles; is made of the highest grade of drop forge



steel; is very strong, and has a very quick motion. It is four inches long and weighs six ounces, and the jaws will open 1½ inches. It is very short and compact, and can be carried in the vest pocket or in a bicycle tool bag."

The L. C. Smith Tire.

We are permitted to show in this connection a section of the tire manufactured by the L. C. Smith Tire Co., Syracuse, N. Y. It is described as "a quick repair tire, and is very resilient; the inner tube being located entirely above the rim on a flat, endless locking band, which securely locks the shoe or outer



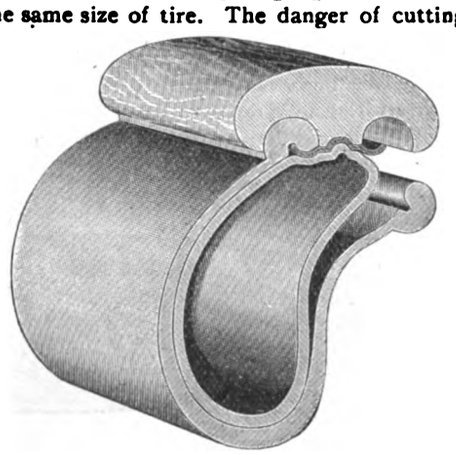
cover in position, and protects the rim from coming in contact with obstructions. The tire is attached by inserting the bead on one side of the shoe in the groove around the whole circumference of the rim; then place the locking band inside the shoe. The valve is put through the cot hole in band and rim, distributing the tube evenly around the band, using care

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not to twist it; then the tube is slightly inflated. This is done to insure the tube from getting under the band. Commencing at the valve, the band is raised, and the bead dropped into the groove for about six inches each side of the valve; then a start is made at a point directly opposite the valve, and the band shifted over so that the bead will drop into the groove around the whole circumference of the rim, before locking any portion in, except that already locked at the valve; then a start is made near the valve, and the band rolled over, passing the hands around the periphery of the rim to see that the band is in the centre of the rim."

The Tillinghast Tire.

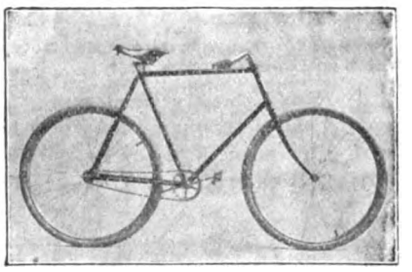
The Tillinghast Mfg. Co., Providence, R. I., are having great success with the Tillinghast Tire here shown. This tire was invented by P. W. Tillinghast, who designed it "to overcome defects in detachable tires, which were liable to be injured by the cutting or breaking of the bead at the edges of the rim, and the outward hooking or dressing of the bead or tire edge required a wider rim; when made of wood the rim gave the wheel a heavy and clumsy look. Besides, the tires were held in place by the pressure of inflation. The improvements," say the makers, "have secured to the rim edge an almost complete relief from the outward pressure of inflation by the inwardly turned beaded edges of the tire hooking under a metal band. This allows of the use of a very light and narrow wood rim, and results in the saving in weight of nearly three pounds per pair, including rims. Another advantage is in having all of the air space above the rim, giving a greater cushioning action for the same size of tire. The danger of cutting on the



rim edges is said to be removed by the peculiar construction of the beaded tire edges, the outer surface of which is rounded following the arc of a true circle. This curved shape extends above the rim when the beads are inserted, and as the beads can only move in curved pathways, it follows that the flexible side wall of the tire, or even the bead, can never come in contact with the extreme edges of the rim." The device consists of the usual parts, viz: Rim, air tube, and sheath, or case. The improvement makes it possible to get at the inner tube, which contains the air, and readily repair any puncture that may be made in the tube. The object of this invention is by the makers, briefly stated thus: "To construct a tire that can be easily removed and replaced by an unskilled person, without special tools and appliances, and without disturbing any part of the wheel rim. This object is attained by forming recesses in the edges of the rim, with contracted openings for the reception of the beaded edges of the sheath or case, the beaded edges being introduced into the recesses by turning the bead in a curved pathway through the contracted openings. In this manner a part only of the molded bead is presented to the opening at one time, and the turning of the bead during its insertion will swing it into place under the metal band, as if pivoted to the edge. A greater part being then presented to the opening prevents its withdrawal, except by a reversal of the movements of insertion. After the sheath is in place and the inner tube is inflated, the sheath is held securely on the rim, and can be removed only by deflating the tire and partially turning the bead as in the manner of its insertion."

Andrae's Road Racer.

Julius Andrae, No. 225 W. Water Street, Milwaukee, Wis., is placing upon the market a new '95 Pattern Andrae Road Racer, an illustration of which is herewith given. This machine weighs but 21½ pounds, with everything on. The manufacturer offers it to the riding public "as a machine suitable for all kinds of road work." He adds: "It is intended for light-weight riders as well as heavy men, and actual tests have



demonstrated that this machine will do as much work as those that weigh from five to eight pounds more." Mr. Andrae will be pleased to send further descriptions, prices, etc., on application.

The Hulbert Model Wrench.

The new Bicycle Wrench here shown is offered to the trade by Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York, as their '95 Model Wrench. The side view is two

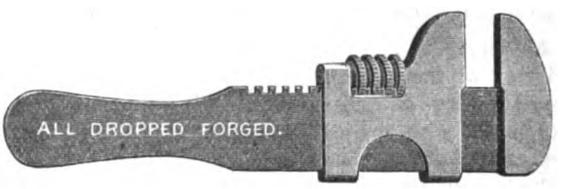


FIG. 1.—MODEL WRENCH.

inches shorter than the full sized wrench itself, the front view is exactly the size of the width of the wrench, but two inches shorter than the length. "This wrench," they say, "weighs three ounces, although it is as strong as last year's wrench, weighing three times as much. It is made of forged steel throughout, and the jaws open 1¼ inches. It is case-hardened or nickel finish, and is," they add, "in every way the best



FIG. 2.—EXACT WIDTH.

bicycle wrench we have ever gotten out. It is particularly adaptable for a vest pocket, being so thin, and now that tool bags are being done away with, or generally discarded on wheels, a vest-pocket wrench is a necessity. It will list at fifty cents."

The demand for low priced builders' Hardware, for which the merchants and factors of Birmingham and district are largely responsible, has resulted in a deluge of very inferior locks, bolts, window fastenings, and other articles, which can only be described as "cheap and nasty." On all grounds the production of these inferior goods is to be condemned. To the workman, it means "sweating;" to the manufacturer, it means unremunerative business; and to the consumer, it means all the loss and worry of inferior work. The only man to benefit is the factor, for even the ironmonger who retails this produce gets small profit and much grumbling for his pains.—*Hardwareman* (London, Eng.)

Met Elwood McGuire last evening. "How's business?" we asked. "Business? why, it's humming. I tell you what I am going to do. I am getting ready to manufacture 30,000 lawn mowers. I did not try to do much last year, but now I have the orders and will soon be working two sets of men, and shall run night and day." This is not surprising to us, as the Dille & McGuire lawn mower is the best made in the world.—*Richmond, Ind., Independent*

There was a large shipment of all descriptions of Hardware to Brazil in October and November, to anticipate the enhanced prices which naturally took effect upon the expiration of the reciprocity treaty on December 1st.

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Bicycles For 1895.—IV.

WHAT THE MAKERS SAY AS TO OUTPUT, IMPROVEMENTS AND PRICES.

A VARIETY OF ANNOUNCEMENTS, OPINIONS AND CHANGES.—INFORMATION OF VALUE TO THE HARDWARE TRADE.

A. M. Scheffey & Co., No. 92 Reade Street, New York: Our 1895 catalogue is not yet ready, but we will have the following machines:

Wynnewood M, 28-inch Diamond, wood or steel rim, M. & W. tire; weight, 23 to 26 pounds, $80. Same with Dunlop or G. & J. tires, $85.

Wynnewood L, 28-inch Drop, wood or steel rim, M. & W. tire; weight, 26 to 29 pounds, $80. Same with Dunlop or G. & J. tires, $85.

Wynnewood B, 28-inch Diamond, wood or steel rim, M. & W. tire; weight, 25 to 28 pounds, $60. Same with Dunlop or G. & J. tires, $65.

Wynnewood C, 28 inch Drop, wood or steel rim, M. & W. tire; weight, with brake and guards, 30 to 33 pounds, $60. Same with Dunlop or G. & J. tires, $65.

Wynnewood D & E, 26-inch, for boys and girls respectively M. & W. tire; weight, 23 to 29 pounds, $50.

Wynnewood F & O, 24 inch, for boys and girls respectively, M. & W. tire; weight, 22 to 27 pounds, $40.

The lighter weights refer to Dunlop or G. & J. tires. We have already placed quite a number of machines for the new year, and find that the Hardware people are very much pleased with our line.

ROUSE, HAZARD & CO.'S PRELIMINARY ANNOUNCEMENT.

Rouse, Hazard & Co., manufacturers of the Sylph and Overland Cycles, and bicycle accessories, Peoria, Ill., have issued under date of December 10th, an attractive circular containing their preliminary announcement for 1895. They will have something more to say to the trade in a little different shape, at a later period. In this advance announcement they give descriptions of their Model H Sylph Roadster, scale weight 23 pounds, and costing $100; their 26½ pound Overland Scorcher, which they describe as tool steel with dust-proof bearings, high grade and up to date, and strong enough for any rider over any roads, the cost of which is $75; their No. 6, 28-inch Overland, at $65; their No. 7, 26-inch, $50; No. 8, 24-inch, $40; their No. 10 Overland, suitable for ladies' use, at $50; No. 9, 28-inch, at $65, and No. 11, 24-inch, at $40. Several of these wheels are illustrated. In a note of explanation they say: "Having for some time past felt the necessity of being makers in reality as well as in name, our long experience in designing and inspecting bicycles, and as jobbers, fitting us to an eminent degree for their manufacture, we have completed arrangements whereby we shall hereafter build a goodly portion of our bicycles in our own factory here in Peoria, having put in the necessary machinery for that purpose. We have associated with us bicycle builders of capability and experience, and are using only thoroughly tested materials of the very best obtainable qualities, and shall exercise the same care in building our own wheels that we have always used in designing and inspecting wheels heretofore manufactured for us. Sample wheels of practically the entire line are now ready, and we shall be in position to make shipments in any reasonable quantity before the first of January. We are sure this departure will meet with great favor on the part of our customers, and that our trade, which has constantly grown from the beginning, will reach even greater proportions than ever before. The volume of our business is such, however, that for some time in the future, as in the past, we expect to have a portion of our wheels built to our own specifications under contract by the best makers that can be secured. For many years we have been the largest handlers of special bargain (job lot) cycles in the United States, and our agents have found the control of these goods a valuable part of our agency, as it enables them to meet or beat all competition, and to develop trade during the dull months when otherwise few, if any, wheels could be sold. We shall continue to make a leading feature of sundries and shop supplies, and in short shall be in position to supply anything that is required by a live dealer, making it unnecessary for him to go elsewhere to find goods to supply any customer. We shall sell to but one dealer in a town, which dealer we shall protect, and whose interests we shall further in every way possible. While our goods will be second to none in quality, design, finish and proven salability, we shall not charge a fancy price for reputation, but shall supply our goods on a basis such as to permit a living profit and without embarrassing or unnecessary restrictions."

MONARCHS FOR 1895.

Monarch Cycle Co., Chicago and New York: Recognizing the demands of the riding public, and especially that great class that want the Monarch, we have prepared to gratify our friends, and shall produce for '95 a line of wheels surpassing all our former efforts, which is equivalent to proof that '95 Monarchs will be the acme of bicycle perfection, possessing strength, beauty and durability.

Our line will consist of the following five styles, of which we give a brief outline:

Model No. 8—Ladies'—Weight 26 pounds, 28-inch wheels, wood rims, tires optional, 1⅝-inch; frame, double drop; head 8-inch. Price, $85.

Model No. 9—Gents'—Weight 24 pounds, 28-inch wheels, wood rims, tires optional, 1⅝-inch rear and 1½-inch front; frame 23½-inch, tread 5¾-inch, head 9-inch, chain 5-16-inch, wheel base 44-inch. Price, $85.

Model No. 10—Gents'—Weight 22 pounds, 28-inch wheels, wood rims, tires optional, 1⅝-inch rear and 1½-inch front; frame 24-inch, tread 5¾ inch, head 10-inch, chain ½-inch, wheel base 44-inch. Price, $100.

Model No. 11—Ladies'—Weight 25 pounds, 26-inch wheels, wood rims, tires optional, 1½-inch front and rear; tread, 5¾-inch, head 9-inch, chain ½-inch, wheel base 42-inch. Price, $100.

Model No. 12—Racer—Weight 18 pounds, 28-inch wheels, wood rims, tires, Palmer, M. & W. or New York; frame 24-inch tread 5¾-inch, head 10-inch, chain ½-inch, wheel base 44-inch Price, $125.

All machines are to be fitted with our well known ball holder and dust protector, and all sprockets are to be detatchable by the finest device ever produced. Brandenburg pedals are to be used.

THE OVERMAN WHEELS.

Overman Wheel Co., Chicopee Falls, Mass.: "The season of 1894 has now practically closed, and we are ready to announce our product and price for 1895. In the estimation of intelligent people, quality ranks first; price, second. With the quality of Victor Bicycles in the past you are familiar. With the strength, comfort and beauty of our 1894 bicycles you have, we believe, been thoroughly pleased; but you are well aware that the Overman Wheel Co. has never been satisfied to repeat what it has done; you will expect, therefore, our 1895 wheel to be an improvement on our 1894, and we know you will not be disappointed. In the Victor for 1895 you will recognize a higher standard of bicycle construction, in the line of select material, simplicity of construction, refined methods and mechanical skill. For 1895 we shall make Victors of five different heights of frame, and Victorias of two heights—thus practically furnishing bicycles to order, and enabling riders of all sizes, both tall and short, to be equipped with mounts that exactly fit.

"Prominent among the improvements for 1895 will be our new 1895 crank hanger, with its hollow axle and narrow tread. This improvement has received not only the endorsement, but the admiration of every agent who has had an opportunity to examine it. For simplicity and strength it is a great advance in bicycle construction, and, in itself alone, quite sufficient to entitle us to the reputation of being first in material, first in invention and first in construction.

"The crank pin of other years has been abandoned, and in its stead there has been substituted a construction remarkable for its simplicity and easy adjustment. This new combination produces a narrower tread, and is both lighter and stronger than our old construction. In 1895, for the purpose of giving riders exactly what they want, we shall furnish them, as an option, with a single tube tire of our own manufacture and de-

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sign, made with special reference to strength, resiliency and lightness. As heretofore, all parts of Victors, from tire to saddle, will be made in our own factory. We shall not manufacture any medium grade or cheap wheels. Our only product will be the highest grade bicycle that we can possibly construct with all our experience, knowledge and facilities. The characteristics of our 1895 wheel are perhaps more striking, more distinct, and yet more harmonious, as a whole, than any former model, and combine in a remarkable degree beauty, strength and lightness. The price of Victor bicycles for 1895 will be $100. Each machine will be furnished with leather tool bag containing Victor wrench, pump and complete repair kit; also a small oiler in a separate leather bag. Brakes, coasters and mud guards will only be furnished when ordered, and at prices for which they are sold as parts."

A CHANGE OF NAME.

Buffalo Tricycle Co, Buffalo, N. Y.: The demand for Envoy and Fleetwing bicycles, having made that branch of our business of more importance than tricycles, we have thought best for the interest of all concerned to change the name of the Buffalo Tricycle Co. to that of Buffalo Cycle Co. The change in name of our company should in no wise be confused with that of the Buffalo Cycle Works, who some two or three years ago manufactured a bicycle called the "Buffalo." Under the name of Buffalo Cycle Co, we will continue to manufacture bicycles and tricycles as heretofore. The trade mark adopted by us will therefore be recognized wherever seen, as being synonymous with good material and honest construction, in whatever we may build and place upon the market.

Recent Incorporations.

Sedalia, Mo.—The Sedalia Hardware Co., incorporated by John M. Delby, Herold and R. W. Griffith, with a capital stock of $15,000.

Brooklyn, N. Y.—The William Tilly Co., to manufacture Hardware and articles used in the construction and decoration of buildings. Capital, $5,000; directors, Edwin M. Moore, William Tilly and A. S. Walsh.

Penn Yann, N. Y.—The Penn Yann Mfg. Co., to manufacture washing machines and novelties. Capital, $10,000; directors, Mellville B. Miller, Thomas S. Burns, Frank M. Fletcher, John W. Walsh and H. R. Phillips of Penn Yan.

Cleveland, Ohio.—Cleveland Continuous Calk Horseshoe Co. Capital, $100,000.

Cincinnati, Ohio.—Hoyer & Boebinger Hardware Co.; amendment changing the name to Boebinger Hardware Co.

Kansas City, Mo.—Clark Stove Co. Capital, $100,000.

Buchanan Brass Hardware Co.

Among the catalogues recently received is one of fifty pages from the Buchanan Brass Hardware Co., limited, of Buchanan, Va., who show a very extensive assortment of wrought brass hinges and hinge hasps, in all the modern varieties; brass door and drawer pulls, fancy brass escutcheons, box corners, straps and brackets, flush lifts and shutter bars. This special class of brass Hardware is much sought after by retail dealers who know the possibilities for profit they give to those who handle a fair assortment.

An order for one hundred Monarchs at a single shipment was taken by J. W. Kiser, president of the Monarch Cycle Co., at Salt Lake City, from M. B. Evans, and another from A. S. Blake, at Colorado Springs, for fifty machines. Mr. Kiser is now in San Francisco, and these contracts were made while en route.

The Gibbs Mfg. Co., Canton, Ohio, the well-known manufacturers of Hardware specialties, furnish us with the welcome information that their extensive works are on the jump at present, with many orders booked ahead for early spring shipment.

The Berlin Iron Bridge Co., of East Berlin, Conn., are furnishing the iron work for the new office building of the Pope Mfg. Co., at Hartford, Conn.

National Bicycle Exhibition.

THE GREAT MEETING IN JANUARY.—LIST OF EXHIBITORS.

The Annual Exhibition to be conducted by the National Board of Trade of Cycle Manufacturers in Madison Square Garden, in January, 1895, promises, and will undoubtedly be, the most extensive and interesting exhibition of that kind ever made in the United States. The growing importance and popularity of bicycling has made exhibitions of this character of great influence and interest, and any visitor at the Madison Square Garden during the coming exhibition, will certainly see and learn more about this great industry in a practical way than he has ever learned before. Spaces have practically been taken by the entire trade, and we are pleased to give herewith a list of the concerns so far represented, with the location of the spaces to which they are assigned, as follows:

1-2. Yost Mfg. Co.
3-4. John S. Leng's Son & Co.
5. F. C. Gilbert & Co.
6. Elliott Burris, "Simplicity 47"
7-8. American Dunlop Tire Co.
9. Keating Wheel Co.
10. L. C Smith Tire Co.
11. Louis Rosenfeld & Co.
12. St. Louis Refrigerator & Wooden Gutter Co.
13. Rich & Sager Co.
14-15. Hill Cycle Mfg. Co.
16. Newton Rubber Works.
17. Mechanical Rubber Co.
18. W. H. Hart, Jr.
20. New York Belting & Packing Co.
21-22. McKee & Harrington.
23. Geo Barnard & Co
24-25 Eastern Rubber Mfg. Co.
26 New Departure Bell Co.
27 28 Geo. N. Pierce & Co.
29. Grand Rapids Cycle Co.
30. Anglo American Iron & Metal Co.
31-31. Syracuse Cycle Co.
35. Wm Read & Sons.
36-37. Columbia Rubber Works Co.
38. Pope Mfg. Co.
39-41. Western Wheel Works.
42. New York Tire Co.
43. J. H. Williams & Co.
44-45. Pratt & Whitney Co.
46. J. J. Warren Co.
47. O. J. Faxon & Co.
48. Curtis Child Mfg Co.
49 Davis & Stevens Mfg. Co.
50. Niagara Cycle Fittings Co.
51. Hitchcock Mfg Co.
52. Queen City Cycle Co.
53. Acme Mfg. Co.
54. League Cycle Co.
55-56. Peerless Mfg. Co.
57. Waltham Mfg. Co.
58-59 Remington Arms Co.
60-61. Indiana Bicycle Co.
62 63. Buffalo Tricycle Co.
64-65. Eagle Bicycle Mfg. Co.
66. Geneva Bicycle Co.
67. Remington Arms Co.
68. Premier Cycle Co.
69. Densmore-Yost Co.
70. Light Cycle Co.
71. Bidwell-Tinkham Cycle Co.
72-75. E. C. Stearns & Co.
76. Premier Cycle Co.
77. Sid B. Bowman.
78-79. Crawford Mfg. Co.
80-81. Union Cycle Co
82-84. C. F. Guyon Co., Ltd., Agents Monarch Cycle Co.
85. Pope Mfg. Co.
86-87. John P. Lovell Arms Co.
88. Relay Mfg Co.
89 Buffalo Wheel Co.
90. Royal Cycle Works.
91. W. H. Wilhelm & Co.
92. Sterling Cycle Works.
93-94. Pope Mfg Co.
95. Ames & Frost Co.
96-97. R. H. Wolff & Co.
98-99. Schoverling, Daly & Gales.
100. Burtis & Zimmerman.
101. Sterling Cycle Works.
103. Plymouth Cycle Mfg. Co.
104-105. Hulbert Bros & Co.
106 107. Warwick Cycle Co.
108. A. M. Scheffey & Co.
109 111. Raleigh Cycle Co.
112-114. A. G. Spalding & Bros.
115-116. Black Mfg. Co.
117-119 Wilson-Myers Co.
120-125. Gormully & Jeffery Mfg. Co.
126A. Whitten Cycle Mfg. Co.
127. M Isenstein & Co.
128. Boston Woven Hose & Rubber Co.
129. United States Tire Co.
130-132. Roger B. McMullen & Co.
133. Bridgeport Gun Implement Co.
134. Porter & Gilmour.
135-136. Garvin Machine Co.
137A. Meyers Mfg. Co.
137B. Cushman & Denison.
138-139. Ames Mfg. Co.
142. Butler & Ward.
154. Mechanical Fabric Co.
156. Clinton Cycle Works.
160. Indianapolis Rubber Co.
161. Strieby & Foote.
162. I. A Weston & Co.
162. Ellwood-Ivins Tube Co.

In Denver, Col., they have an incorporated company with a capital stock of $5000, called the American Wheel Repair Co., and the following is their established tariff, founded evidently on experience: Annual rate, $8.50; weight of rider over 175 pounds, add 5 cents per pound; weight of rider under 125 pounds, deduct 2 cents per pound; weight of wheel under 25 pounds, add 25 cents per pound; age of wheel, over 12 months, add 10 cents per month; age of wheel, under 12 months, deduct 20 cents per month for written guarantee; ladies' wheels, deduct $2; racing permit, $1 per day; minimum rate, male, $6; minimum rate, ladies' wheel, $5.

On December 14th the large plant of the Meyer U. S. Standard Scale Co., in Newark, N. J., was burned. The plant consisted of two frame buildings, two stories in height. In an hour after the flames were discovered the buildings were a heap of ruins. The loss is estimated at $75,000, partially insured, and it is believed that the fire was of incendiary origin.

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National Hardware Association.

THE WHOLESALERS OF THE UNITED STATES MEET IN CLEVELAND,

AND FORM A NATIONAL ORGANIZATION.—AN OCCASION OF GREAT INTEREST.—A CONSTITUTION ADOPTED AND OFFICERS ELECTED.—BANQUET.—SPEECHES BY LEADING REPRESENTATIVES OF THE TRADE.

The National Hardware Association is the title of an organization which has just been formed at Cleveland, Ohio, by representatives of many of the leading wholesale Hardware houses of the United States.

This movement had its inception with the wholesale Hardware dealers of Cleveland, the leading members of the local organization believing that the time had now come when a step in this direction should be taken. In correspondence with others in all parts of the country, they had encouragement of the most generous character. Steps were, therefore, taken on behalf of the Cleveland Hardware Jobbers' Association, and invitations sent in all directions to wholesale Hardware firms, to send delegates if it should be deemed advisable that there should be such gathering, for the formation of a national association. Matters had so far advanced by December 5th that announcement was made upon behalf of the Association to the following effect:

"We take pleasure in advising you that the meeting of the Wholesale Hardware Dealers of the United States, to which we invited you, under date of November 10th, will be held in this city, December 13, 1894. This meeting will be called to order at 10 A M.

"The acceptances that we have received up to date, assure us that we shall have a large attendance, and we anticipate most beneficial results from the meeting.

"The headquarters of our Association will be at the Hollenden Hotel, where a reception committee will meet visiting delegates upon their arrival, after 4 P M, Wednesday, December 12th."

There gathered in Cleveland a large number of leading representatives of the trade, and when the first meeting occurred in the parlors of the Hollenden, on the date named, the following firms or companies were represented by leading members thereof:

George Worthington Co., Cleveland, Ohio.
Lockwood-Taylor Hardware Co., Cleveland, Ohio.
H. W. Luetkemeyer & Sons, Cleveland, Ohio.
McIntosh-Huntington Co., Cleveland, Ohio.
Geo. Brown, Knoxville, Tenn.
Isaac Walker Hardware Co., Peoria, Ill.
Johnson Bros. Hardware Co., Cincinnati, Ohio.
Howell, Gano & Co., Cincinnati, Ohio.
Kruse & Bahlman Hardware Co., Cincinnati, Ohio.
Albany Hardware & Iron Co, Albany, N. Y.
Supplee Hardware Co., Philadelphia, Pa.
Shields & Bro, Philadelphia. Pa
Burhans & Black Co., Syracuse, N. Y.
Witte Hardware Co., St. Louis, Mo.
A F. Shapleigh Hardware Co., St. Louis, Mo.
Smith Bros. Hardware Co., Columbus, Ohio.
Wright, Dana & Co., Utica, N. Y.
Weed & Co., Buffalo N. Y.
Barker, Rose & Gray, Elmira, N. Y.
Langstaff Hardware Co., Memphis, Tenn.
King Hardware Co., Atlanta, Ga.
Hamilton & Mathews, Rochester, N. Y.
Walbridge & Co., Buffalo, N. Y.
Bindley Hardware Co., Pittsburg, Pa.
Logan Gregg & Co, Pittsburg, Pa.
Ott Bros. & Co., Wheeling, W. Va.
Morley Bros., Saginaw, Mich.
C. W. Hackett Hardware Co., St. Paul, Minn.
Schrieber, Conchar & Westphal Co, Dubuque, Iowa.
C M. McClung & Co., Knoxville, Tenn.
William Frankfurth Hardware Co., Milwaukee, Wis.
John Pritzlaff Hardware Co., Milwaukee, Wis.
T. M. Warren & Co., Troy, N. Y.
Rector & Wilhelmy Co., Omaha, Neb.
Wells & Nellegar Co., Chicago, Ill.
Bigelow & Dowse Co., Boston, Mass.
William Bingham Co., Cleveland, Ohio.
Buehler Bonbright Co., Philadelphia, Pa.
Wyeth Hardware & Mfg. Co., St. Joseph, Mo.
Lee. Clarke, Andreesen Hardware Co., Omaha, Neb.
Bostwick-Braun Co., Toledo, Ohio.
Freeman, Delamater & Co, Detroit, Mich.
Standard Bros., Detroit, Mich.
Stollberg & Clapp Co., Toledo, Ohio.
W. B. Belknap & Co., Louisville, Ky.
Markley, Alling & Co., Chicago, Ill.
Stauffer, Eshleman & Co., New Orleans, La.

THE FIRST MEETING.

At this meeting William W. Supplee, of the Supplee Hardware Co., Philadelphia, was elected temporary chairman; and W. H. Coles, of the McIntosh-Huntington Co., Cleveland, and secretary of the local Association, was chosen temporary secretary. The election of these gentlemen was followed by the reading of several papers designed to show the feasibility and advisability of forming a national association, which should have for its object the protection of the interests of the trade. These papers were presented by H. H. Bishop, of the McIntosh-Huntington Co., Cleveland; John Alling, Chicago; George T. McIntosh, of the McIntosh Huntington Co., Cleveland; T. A. Parker, Pittsburg; and S. A. Bigelow, of the Bigelow & Dowse Co., Boston. These papers were practical in their tone, and having been prepared by gentlemen thoroughly acquainted with the themes handled, and deeply interested in the object of the gathering, it is needless to say that they made a marked impression upon those present, and proved beyond a doubt that the step taken had been a wise one and that organization along the lines indicated seemed almost necessary for the good of the trade. At their conclusion there ensued a discussion which lasted during the entire morning, and out of which came a decision to form a national association. A committee appointed to formulate a constitution was formed of H. S Blossom, of the W. Bingham Co., Cleveland; S. A. Bigelow, of the Bigelow & Dowse Co., Boston; Mark Shapleigh, of the A. F. Shapleigh Hardware Co., St. Louis; A. D Langstaff, of the Langstaff Hardware Co., Memphis; W. S. Wright, of Omaha, Neb.; and John Alling, of Chicago. The meeting then adjourned until the afternoon. At 2 P M. the second meeting was held, when the committee on constitution reported. The afternoon was spent in taking up this report section by section. When adopted it provided for the election of officers, the appointment of standing committees, and contained the provision that each firm should have one vote.

OFFICERS ELECTED.

It was provided that the officers should consist of a president, two vice-presidents, a secretary and treasurer, the duties of which should be combined in one; and an executive committee, of which the president of the Association should be ex-officio chairman. There was a further meeting on Friday morning, December 14th, and the following gentlemen were elected in accordance with a recommendation of the committee on nominations:

President, William W. Supplee, Philadelphia.
First Vice-President, John Alling, Chicago.
Second Vice-President. A. D Langstaff, Memphis.

Executive Committee, S. A. Bigelow, Boston; H. H. Bishop, Cleveland; Frank Shapleigh, St. Louis; Frederick Barker, Elmira, N. Y.; W. P. Smith, Knoxville, Tenn.; and F. C. Pritzlaff, Milwaukee.

The election of the treasurer and secretary lies in the hands of the executive committee.

It was decided that the next meeting should be held in Pittsburg, on Wednesday, November 20, 1895, at which it is expected that the attendance will be much larger than was noted at Cleveland as the movement is certainly one that will receive the general support of the trade.

A BANQUET TO THE GUESTS.

It is hardly necessary to inform anyone who is acquainted with the generous hospitality of Cleveland, of the fact that the gentlemen who were there as guests of the local Hardwaremen

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were treated in a manner which sent them away loud in their praises of the Forest City, not only for its beauty and hospitality, but also wondering somewhat at the great extent and variety of its Hardware manufacturing interests.

This hospitality was emphasized on the evening of Thursday, December 13th, when an elegant banquet was tendered the visitors on behalf of the manufacturers of Cleveland. The companies and firms which united as hosts upon this occasion were as follows:

Dangler Stove & Mfg. Co.
Eberhard Mfg. Co.
Ellwood Tin Plate Co.
H. C. Tack Co.
HP Nail Co.
Hart Mfg. Co.
Johnson & Jennings Co.
Lake Erie Iron Co.
Lamson & Sessions Co.
Mechanical Rubber Co.
Cleveland City Forge & Iron Co.
Cleveland Lock Co.
Cleveland Machine Screw Co.
Cleveland Rolling Mill Co.
American Wire Co.
Austin Powder Co.
American Washboard Co.
Baackes Wire Nail Co.
Bourne & Knowles Mfg. Co.
Van Wagoner & Williams Hardware Co.
Van Dorn Iron Works Co.
Winton Bicycle Co.
Amos B. McNairy Co.
National Screw & Tack Co.
Peck, Stow & Wilcox Co.
Peerless Mfg Co.
Schneider & Trenkamp Co.
Standard Tool Co.
Union Steel Screw Co.
Upson Nut Co.
Cleveland Stamping & Tool Co.
Cleveland Stone Co.
Cleveland Tack Works.
Cleveland Twist Drill Co.
Cambridge Iron Co.
Chamberlin Cartridge & Tack Co.
Chapin Bolt & Nut Co.
Cleveland Foundry Co.
Cleveland Hardware Co.
Cleveland Block Co.

This banquet was given in the elegant dining rooms of the Hollenden, and it is hardly necessary to say that all the arrangements were carried out in a manner which indicated unusual care and preparation on behalf of those tendering it. A badge, a reproduction of which is given, was worn, and as



the tables were so arranged that each gentleman knew exactly where his seat was located, everything was conducted without confusion, and in a most harmonious manner. The credit for all of the arrangements connected with this banquet is due the following gentlemen: C. S. Van Wagoner, of the Van Wagoner & Williams Hardware Co; C. E. Adams, of the Cleveland Hardware Co.; W. P. Champney, of the Eberhard Mfg. Co.; S. A. Sague, of the American Wire Co.; F. F. Prentiss, of the Cleveland Twist Drill Co.; and W. D. B. Alexander, of the National Screw & Tack Co., who constituted a committee on arrangements and speakers.

At the centre of the head table sat C. S. Van Wagoner, of the Van Wagoner & Williams Hardware Co., where he most admirably fulfilled the duties of chairman and toastmaster The gentlemen at this table were as follows:

C. S. Van Wagoner, Toastmaster.
C. B. Lockwood; Lockwood, Taylor Hardware Co.
D. A. Dangler; Dangler Stove & Mfg. Co.
A. D. Langstaff; Langstaff Hdw. Co.
W. W. Supplee; Supplee Hdw. Co.
J. H. Hoyt; Hoyt, Dustin & Kelley.
S. H. Chisholm; H. P. Nail Co.
H. S Blossom; The W. Bingham Co.
E. S. Page; Cleveland Rolling Mill Co.
R. R. Williams.
Luther Allen, President Cleveland Chamber of Commerce.
Wm. H. Williams, President Hardware Club, New York
Gen. Jas Barnett; The Geo. Worthington Co.
C. W. Scofield; Lake Erie Iron Co.
G. T. McIntosh; the McIntosh-Huntington Co.

At the head of the various tables, sat the following gentlemen:

G. M. Worthington; Cleveland Stone Co
E. H. Bourne; Bourne & Knowles Mfg. Co.
A. R Treadway; Peck, Stow & Wilcox Co.
W. P. Champney; Eberhard Mfg. Co.
W. D. B. Alexander; National Screw & Tack Co.

The gentlemen at the other tables were:

D. J. Kurtz; The W. Bingham Co.
J. W. Fenner; The W. Bingham Co.
S. G. Rigdon; Mechanical Rubber Co.
C. H. Weed; Lake Erie Iron Co.
H. A. Bishop; Ellwood Tin-Plate Co.
F. E. Drury; Cleveland Foundry Co.
J. C. Lindsay; J. C. Lindsay & Co.
R. C. Moody; Cleveland Rolling Mill Co.
J. H Smith; Smith Bros., Hdw. Co.
P. Schneider; Schneider & Trenkamp Co.
W. B. Wackerhagen; Albany Hdw. & Iron Co.
E. H. Luetkemeyer; H. W. Luetkemeyer & Sons.
C. F. Braun; Bostwick Braun Co.
J. A. Robinson; The W. Bingham Co.
A. T. DeForest; H. P. Nail Co.
T. P. Burke; H. P. Nail Co.
W. T. White; Cleveland Machine Screw Co.
W. M. Clapp; Cleveland Foundry Co.
W. S. Wright; Rector & Wilhelmy Co.
R. T. Coleman; Austin Powder Co.
R. Matthews; Hamilton & Matthews.
H. Trenkamp; Schneider & Trenkamp Co.
C. E. Walbridge; Walbridge & Co.
S. Sickels; Union Steel Screw Co.
J. G. Standart; Standart Bros.
J. Smith, The McIntosh-Huntington Co.
J. E Williams, The McIntosh-Huntington Co.
A. C. Hord, The McIntosh-Huntington Co.
H. F. Lyman; Cleveland Block Co.
J. E. Upson; Cleveland Block Co.
H. Weed; Weed & Co.
J. J. Teeple; Van Wagoner & Williams Hdw. Co.
P. North; Chamberlain Cartridge & Target Co.
G. C. Jennings; Johnston & Jennings Co.
F. C. Case; Lamson & Sessions Co.
J. G. Jennings, Jr.; Lamson & Sessions Co.
Z. T. Sneyd; Van Dorn Iron Works.
Plain Dealer.
C. Babcock; Ellwood Tin-Plate Co.
W. C. Biddle; Biddle Purchasing Co.
G. W. Mudge; Biddle Purchasing Co.
W. C. Reitz; Bindley Hdw. Co.
J. E. Green, The W. Bingham Co.
C. D. Scott; Schrieber, Conchar & Westphal Co.
M. Lewis; Eberhard Mfg. Co.
C. F. Stone; Stauffer, Eshleman & Co.
S. A. Sague, American Wire Co.
R M. Wells; Wells & Nellegar Co.
J. C. Henry, The Lockwood-Taylor Hdw. Co.
B. L. Pennington, The Lockwood-Taylor Hdw. Co.
M. Taylor, The Lockwood-Taylor Hdw. Co.
F. Barker; Barker, Rose & Gray.
J. B. Savage; American Wire Co.
W. E. Newell; King Hdw. Co.
A. E. Converse; H. C. Tack Co.
J. R. Griffith; Shields & Bro.
H. S. Allen; Upson Nut Co.
W. F. McKenzie; Upson Nut Co.
W. H. Coles, The McIntosh-Huntington Co.
J. H. Black; Burhans, Black & Co.
D. E. Dangler; Dangler Stove & Mfg. Co.
C. H. Turner; Albany Hdw. & Iron Co.
A. A. Fonda; Van Wagoner & Williams Hdw Co.
C. W. Tillinghast; 2d; J. M. Warren Co.
G. Deming; The George Worthington Co.
T. A. Parke; Logan, Gregg & Co.
S. Bourne; Bourne & Knowles Mfg Co.
W. M Glass; Lee, Clarke, Andreesen Hdw. Co.
Leader.
World.
C A. Burrell, Hardware dealer.
W. T. Smith; C. M. McClung & Co.
M. Baackes; Baackes Wire Nail Co.
J. W. Hubbard; Hubbard & Co.
H. C. Holt; Lamson & Sessions Co.
M. B. Belknap; W. B. Belknap & Co.
H. H. Bishop; The McIntosh-Huntington Co.
S. A. Bigelow; Bigelow & Dowse Co
A. B Manship; American Wire Co.
G. T. Sprake; Wyeth Hdw. & Mfg Co.
W. A. Neff; Peerless Mfg. Co.
F. W. Davis; Lake Erie Iron Co.
G H. Brown; Winton Bicycle Co.
E. F. Van Zandt; A. B. McNairy Co.
G. S. Baslington; Chapin Bolt Co.
T. G. Walther; C. W. Hackett Hdw Co.
J. Q. Riddle; Baackes Wire Nail Co.
F. C Pritzlaff; Jno. Pritzlaff Hdw. Co
L. F. Blue; Van Wagoner & Williams Hdw. Co.
J. Alling; Markley, Alling & Co.
E. C. Palmer; Standard Tool Co.
C. T. Fletcher; Fletcher Hdw. Co.
W. Austin; Eberhard Mfg. Co.
A. Bahlmann; Kruse & Bahlmann Hdw. Co.
W. H Kolbe; H. W. Lutkemeyer & Sons.
O. B. Main; Howe Scale Co.
L. H. Sholder; Cleveland Lock Co.
J. W. Price; W. B. Belknap & Co.
A. J. Hoston; Hart Mfg. Co.
W. P. Heiskel; Ott Bros. & Co.
C. C. Paine; H C Tack & Co.
E. A. Harvey; Morley Bros.
G. W. Luetkemeyer; H. W. Luetkemeyer & Sons
W. C Johnson; Johnson Bros. Hdw. Co.
K D. Bishop, Cleveland Tack Co.
J. W. Gano; Howell, Gano & Co.
C. R. Luetkemeyer; H.W. Luetkemeyer & Sons.

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J. T. Neilson; Isaac Walker Hdw. Co.
J. D. Cox; Cleveland Twist Drill Co.
F. Sh pleigh; A. F. Shapleigh Hdw. Co.
J. H. Heimbuecher.
O H Witte; Witte Hdw. Co.
F. R. Scofield; Lake Erie Iron Co.
J. B. Francis; Francis Chenoweth Hdw. Co.
F. F. Prentiss; Cleveland Twist Drill Co.
J. Stollbe g; Stollberg & Clapp Co.
C. H Coit; Cleveland Stamping & Tool Co.
H. C Kirby; Cleveland Stamping & Tool Co.
J. M Gorham; American Washboard Co.
H. H. Rudd, The Geo. Worthington Co.
W. D. Taylor, The Geo. Worthington Co.
C A. Jewett, The Geo. Worthington Co.
E. Z. Wright; Wright, Dana & Co.
C. Hart; Hart Mfg. Co
J. S. Brown, The Geo. Brown Hdw. Co.
E. W. Morley; Morley Bros.
T. J. Chamberlain; Freeman, Delamater & Co
S. D. Latty; National Screw & Tack Co.
E. Foerster; Wm. Frankfurth Hdw Co.
C. E. Adams; Cleveland Hdw. Co.
J. S Bonbright; Buehler, Bonbright & Co.

The tables were most tastefully decorated with flowers and the dinner was most admirably served, the menu of which was as follows:

Blue Points.
Consomme. *Amontillado.* Olives.
Salted Almonds. Celery.
Planked Whitefish. *Haut Sauternes.* Cucumbers.
Potatoes Duchess.
Filet of Beef, Larded. *Pontet Canet.* Cauliflower.
Fresh Mushrooms.
Sweetbreads, Braised. French Peas.
Punch au Kirsch. Cigarettes.
Broiled Quail. White Seal. Lettuce Salad.
Bisque Glace. Cake.
Toasted Water Biscuit and Cheese.
Cognac. Coffee. Cigars.

THE TOAST-LIST.

The toast-list had been carefully arranged, and is herewith given:

Introductory Remarks by the Chairman, - C. S. Van Wagoner.
Van Wagoner & Williams Hardware Co.
Address of Welcome, - - - - - Luther Allen.
President Cleveland Chamber of Commerce.
"Progress Made in the South in Past Three Years Toward Improved Business Methods," - - A. D. Langstaff.
President Southern Hardware Jobbers' Association.
"The Hardware Merchants' & Manufacturers' Association of Philadelphia," - - - - - William W. Supplee.
President Hardware Merchants' & Manufacturers' Association of Philadelphia.
"Cleveland," - - - - - - James H. Hoyt.
Hoyt, Dustan & Kelley.

MR. VAN WAGONER'S REMARKS.

At the conclusion of the feast of good things, Mr. Van Wagoner called the company to order, and in a neat speech, the main points of which are herewith given, welcomed the guests, and paved the way for the presentation of other speakers:

It is with great pleasure, said Mr. Van Wagoner, that the manufacturers of Hardware of Cleveland entertain you this evening. We are very much pleased, indeed, at having this opportunity to meet you face to face. We are more than pleased at the opportunity of meeting those whose names, though we have never met them before, are so familiar that they are almost like household words. I have in my own heart a very warm feeling for many firms represented here to-night, and when I grasp their representatives by the hand. I feel a thrill of pleasure that at last I have met some one who has an individuality, connected with a house with which I have had pleasant relations, and I am sure that is the sentiment of all of us. As manufacturers, we occupy a peculiar position this evening. We don't know exactly why you are here. We suppose it is for some great, good purpose, but we are not sure of it. We have been so often crushed to the earth and had to rise up again, that we are not sure but that this is some well-fledged plot for skinning us still more.

When in this Entertainment Committee it was proposed we should have an embossed anvil on the front page of the *menu* card, I suggested that we should have a sheep with the wool shorn off as representing the manufacturers, and that on the last page we should have what is usually appended to one of our bills—a discount mark of 80, 20, three 10's, 5 and 2½ per cent. That, gentlemen, was to represent you jobbers.

We have had a feeling that you were hatching up something that meant purgatory, like the syndicate buyer, for whom we have not always the greatest love, although we expect to meet him and get his little orders. We do not know exactly what you are hatching up, but we are very sure we will know the consequences before long. We feel that there is only one thing that is going to save us from the syndicate buyer, and that is that we reside and live and move in Cleveland. There are advantages here. I do not dare to tell them, because the first thing we know you will want something extra. These advantages give us the hope that if we persevere in business we will still survive, no matter what you ask of us.

Cleveland, we know, has a great future as a manufacturing centre. We feel that, instead of our always sending our representatives to you, we are going to have you come to us. I believe it would be for your interest as jobbers to come occasionally to see us, visit our plants and make yourselves better acquainted with us. Although we have to say it ourselves, we are a very generous body of men. We are willing to give you the most of our profits and an extra special discount at the end of every six months, provided you keep it yourselves.

Gentlemen, I am not here to occupy your time. There are others here who will welcome you, interest you and tell you of the advantages of Cleveland. But I wish to say, in closing, that as manufacturers we would consider it a very great compliment if you would spend a little time with us. It seems a pity that such a body of men as this should come so far—and we are afraid we shall not see you for many a day—and go away without becoming familiar with our plants. We feel that we have something to show you that will interest you if you will give us the opportunity. I wish now, gentlemen, to refer to a feature in Cleveland that has interested all of its citizens very greatly, and that is that within the last two years there has been a most delightful indication of public spirit in the development of the city through the organization of the Chamber of Commerce. I must say, as a new comer from the East, for I am only lately a Clevelander, that it has delighted me to see the enthusiasm and almost boyish spirit that has been manifested by the Chamber of Commerce in promoting the great interests of Cleveland. I refer to this because we are about to be addressed by one who is an exponent of the energy and enthusiasm to which I have referred.

MR. ALLEN'S SPEECH OF WELCOME.

At the conclusion of this speech Mr. Van Wagoner introduced Luther Allen, president of the Cleveland Chamber of Commerce, who had been invited by the local committee to deliver the address of welcome to the visitors of the Forest City. Mr. Allen said:

I esteem it not only a pleasure but a privilege to be invited, on behalf of the hosts of the evening, to welcome you as guests, as "the stranger within our gates," and to extend to you as well a cordial, hearty welcome from every Cleveland business man. I also desire to extend this word of welcome on behalf of our Chamber of Commerce—the outgrowth of our dear old Board of Trade. It was organized less than two years ago upon a line looking to the advancement of our city. I welcome you to the hospitality of our homes, and in every way possible, as would become a citizen of Cleveland. The rooms you have made use of as your meeting place are our temporary quarters only, and when this organization, strong and earnest in the direction for which it has been formed, comes back to us in 1896, our centennial year, we hope to have a magnificent home in which to receive you. That is our ambition which we have no doubt will be realized. I learn that during this day the wholesale jobbers of Hardware have perfected an organization. We Clevelanders are glad that this organization has been perfected here. We think Cleveland is a good place to be born in, either for the individual or the business association. We know it is a good town to live in, and we believe it is a good town to come to.

Organizations such as you have called into being to-day are of great value. I sincerely believe that this particular organization will accomplish great good upon the lines which I understand have been marked out for it. But in forming this organization you have simply laid the corner stone. Organizations, by-laws and rules are all wise and proper, but they do not do

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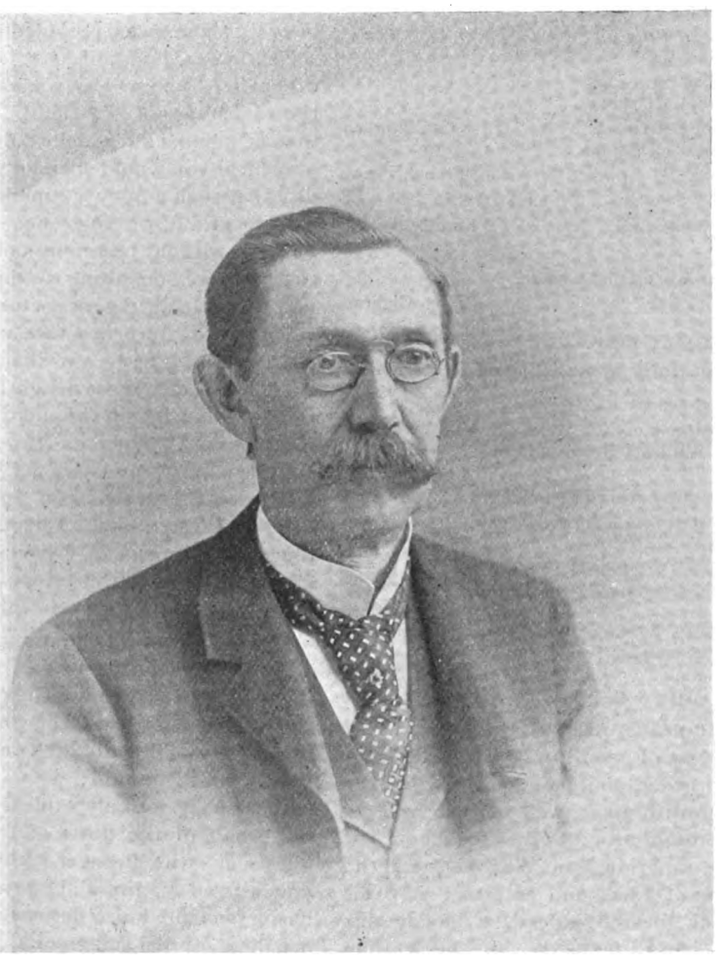
all the work. It remains for every individual member of the organization you have called into being to feel that upon his shoulders rests the responsibility of its success in order to realize the best results. As an illustration of this fact I can refer to our own organization—the Chamber of Commerce. A more united, sincere and earnest body of men, numbering more than 1000, was never numbered together in any city. Loyal in every way to the principles underlying its organization, it has already become a powerful factor in every good work of advancement of our city. Therefore you will make your organization strong only by individual effort—by hard work. In such an organization concert of action is absolutely necessary.

It is a source of gratification to me that I have been called upon to deliver this message of welcome to you, and now again, in behalf of our hosts, as a representative of the Chamber of Commerce, and as a citizen of Cleveland, I bid you welcome in the best and fullest sense of that word—one of the few words that may be named in the same breath with wife, mother, love and home.

MR. LANGSTAFF SPEAKS FOR THE SOUTH.

A. D. Langstaff, president of the Southern Hardware Jobbers' Association, next spoke upon that interesting theme, "The Progress Made in the South in the past Few Years towards Improved Business Methods." He said:

I cannot adequately express my appreciation for the distinguished honor of having been invited to address you. Whatever hesitation I might have felt in accepting this invitation if it had been extended only to me personally, became a secondary consideration when I was assured that in addition thereto the manufacturers of Cleveland extended the invitation to me officially as the president of the Southern Hardware Jobbers' Association, and that they desired by and through this invitation to offer the hand of fellowship to that association. In their name I very gratefully acknowledge this kindly expression, and assure you that I will advise each member of the association of this fraternal feeling. I know that in their hearts will be aroused a very genuine response.



PRESIDENT WILLIAM W. SUPPLEE.

When I reached Cleveland on Tuesday morning I had not concluded to be present to-day—had no expectation, even if I remained, of being other than a "looker on" and "gatherer in" of what I might see and hear. I had no expectation of having this "greatness thrust upon me." When I was advised that my friend from the City of Brotherly Love, Mr. Supplee, would follow my short talk with a speech, my mind was comforted by the hope that in like manner, as at the feast held many, many years ago, at which the poorer wine was offered first, so that whatever evidence the guests may have received of its lack of quality was removed by the unquestionable superiority of the flavor and aroma of the wine that followed.

I congratulate the Cleveland Hardware Jobbers for having inaugurated this meeting—for having invited their fellow jobbers from the North, from the South, from the East, from the West. The sincere welcome that you have offered us has formed a lodgment in our hearts and will there be treasured and remembered in days that are to come. The opportunities that have been here presented for a more intimate personal acquaintance, for the interchange of thought pertaining to business methods and business perplexities, will undoubtedly have beneficial results. I congratulate the manufacturers of Cleveland that they have supplemented the efforts of the Cleveland jobbers by inviting the guests to this banquet board. It is the link that will help to bind us together.

There is no factor that is more potent to arouse kindly feelings and to create more favorable impressions of what may have been or may be said here to-night than the good dinner of which we have partaken. I know, from the very pleasant expression upon the faces of each of you, that this entertainment has been enjoyed and will be remembered by the jobbers present, and that they will during the coming year extend to the Cleveland manufacturers such generous orders that will gladden their hearts and will assist in placing the balance at the end of the fiscal year on the right side of the ledger.

Referring to the meeting held by the Southern Hardware Jobbers, at Richmond, last June, and to the previous meetings, I am glad to announce that benefits have resulted therefrom. Among the subjects discussed from which benefits have resulted has been the shortening of the time on which we sell goods and the decrease of dating bills ahead. It had been the general custom by the jobbers throughout the South to carry over to November and December a considerable portion of the indebtedness for goods bought in January, February and March. These accounts would be closed by notes and the notes would be discounted in the banks. Apprehension as to their prompt payment was always incident, and compelled us to retain in the bank, during the months these notes might be falling due, a special reserve to cover those that might not be paid. As already stated, this subject was discussed at considerable length, and each member expressed an earnest wish for a change. A resolution was passed that the members would endeavor to abandon it. It was not possible to make the desired change at once and to uproot a custom that had been fastened on our business from its birth. I do know, however, that the custom has been very much decreased. The jobbers of Memphis began the work of making a change three years ago, and agreed last spring that they would not grant longer time than sixty days. By this co-operation we reduced to a minimum, by June 1, unpaid balances for goods bought during January, February and March. This endeavor to shorten time is not confined to the Hardware jobbers of Memphis, or of other cities in the South, but has been adopted by the jobbers of other lines, and by the country merchants. Their efforts have contributed more than any other to the increase in food products throughout the South. The prime cause of these long credits on general merchandise was that nearly all the

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available cash was consumed in buying food products, which could only be bought for cash. There has also been very considerable progress made by the members of the Southern Hardware Jobbers towards solving the problem of salaries paid to traveling salesmen, to determine the profits and expenses incident to that branch of the business, so that each salesman would receive equitable compensation.

I have several times to-day been asked the question, "How is business in the South?" I might repeat here to-night the answer that I have made. We have felt the hard times that have prevailed for the past three years, and we feel them now. A wonderful and encouraging change has taken place. We feel that we have crossed the Valley of Depression, and that we are emerging from the dark clouds that surrounded us in 1893. That we are climbing the hill upon whose breast is bright sunshine, cheering us onward and upward to more prosperous conditions.

Previous to three years ago the custom of making advances to the planters to assist them in buying mules and food products to produce a crop was very general and very liberal. The custom of rising nearly all cotton and buying hogs and hominy generally prevailed.

The lessons that had been taught by the press of the South, urging the farmers to diversify their crops, had not been heeded. With a soil capable of producing everything and anything—with seasons offering every inducement for the growth of whatever might be planted—we hesitated to plant anything that might even in a humble way aspire to be a rival of King Cotton. It became evident three years ago to the cotton merchants and to other merchants who had been making these advances that the balances on their ledgers had been increasing, and that they must decline to advance as liberally thereto. The planters were compelled for this reason to depend on themselves and planted more corn, raised more hogs and began the cultivation of sorghum cane. Two years ago the advances were again reduced, followed by increase of corn, hogs and molasses, which are the three principal food factors of the plantations. One year ago the advances were again decreased.



TOASTMASTER C. S. VAN WAGONER.

In three years the number of acres devoted to corn, sorghum cane, potatoes, grasses, grains, hogs, cattle, have increased to such an extent that in the States contiguous to Memphis there is ample for another year. So abundant is the corn crop, that instead of being buyers we are sellers. Instead of having to buy molasses at 50 cents a gallon, there are thousands of gallons for sale at from 15 to 20 cents per gallon, many carloads of which have been shipped to Northern refineries. The vast quantities of corn will enable the planters to increase the production of hogs, of which we will probably have enough for next year's consumption.

These conditions have never existed before. While the price of cotton is lower than at any previous time, everything else is relatively low. The proceeds of a bale of cotton will buy almost as much as when higher prices prevailed. The exposition that I have made of the improved conditions of the South will, I trust, be interesting to the manufacturers present whose products are used on Southern plantations.

I have been asked to-day questions relative to the future of the South. It affords me great pleasure to say that from those who have been observant of the improved conditions that I have mentioned, and who have traveled over the South investigating its lands, that the prospects are very encouraging; that a large number of people, embracing many families from the West and Northwest, have purchased lands in Tennessee, Mississippi and Arkansas, who find in those States a fruitful soil, a genial climate, and are welcomed by our people with a hospitality as warm as hearts can give. No longer are there questions asked as to the politics of those who are seeking homes in our South land. [Applause.] All we want to know is that the new comer is desirous of assisting us in building up our country.

PRESIDENT SUPPLEE SPEAKS.

William W. Supplee, president of the Hardware Merchants' & Manufacturers Association of Philadelphia, next spoke regarding the Association of which he is so prominent a part. He said:

When I received a telegram a few days ago asking me upon what subject I would respond, I replied the Philadelphia Merchants' and Manufacturers' Association of which I was president. I did not realize then there would be so many presidents in the field. We have here, first, the president of your Chamber of Commerce, who has given you a sample of his eloquence; next, Mr. Langstaff, president of the Southern Hardware Jobbers' Association, selected for his qualities known and fully realized only by those members of our association of jobbers who have had the opportunity of seeing as much as I have. I was present at their last meeting at Richmond. It was a pleasure to see how they joined hands in one general feeling for the betterment of trade. When I look to my left I see Cleveland's favorite son. It is Mr. Hoyt, gentlemen, who is to furnish the wine on this occasion. Looking beyond him I see the president of the New York Hardware Club, known for his eloquence throughout this broad land. One reason for my telegraphing as I did, gentlemen, was the fact that the Philadelphia Hardware Merchants' and Manufacturers' Association is looked upon as one of the solidest organizations of the kind in the United States. Other associations have sprung up, but for want of proper support and nourishment they have gradually drooped and died. The neucleus of our association was eight jobbers and three manufacturers. At that time but very few Hardware jobbers ever came in contact with each other. Very few of them were personally acquainted. If they passed in the street they would scarcely have recognized each other. The result of our association has been not only cordiality of feeling but solid intimacy.

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The object of our association, as stated by our by-laws, is to promote a more cordial feeling among the jobbers and manufacturers of the city of Philadelphia. Thus far it has been a great success socially. Our business meetings once a month have been models. We have a semi-annual entertainment during the year, with discussions, speeches, recitations and songs, and one annual banquet. We look upon these social gatherings second to but very few of any kind in our city. There has never been any dissension in our ranks. On the contrary, many matters have been brought forward and settled that otherwise, outside of our organization, in all probability, would have resulted in very bitter warfare. We look upon its object as very worthy. It was formed because in union there is strength.

MR. HOYT SPEAKS FOR CLEVELAND.

The next speech was that of James H. Hoyt, a prominent member of the Cleveland bar, and an after-dinner speaker whose reputation is by no means bounded by the city in which he lives. Space will permit us to give but one brief extract from his speech,—a speech which from its theme "Cleveland," had more to do naturally with the city of which Mr. Hoyt is so proud than Hardware. He said:

The dawn of Cleveland's future is breaking; her horizon is brightened by the brilliant beams, not of a setting, but of a rising sun. For more than have a century she has been plunged in a profound and dreamless slumber. She has grown great in spite of herself. It is only just lately that she has awakened and begun to stretch herself, only just now that we, her citizens, are beginning to appreciate her beauty, her size, her strength and her capabilities. We heartily welcome you to our growing city. We welcome you all the more warmly because your visit here is not for idle curiosity, and the prime object of your meeting is not for mere pleasure but to improve methods of business and to promote the prosperity, not only of the city but of the whole country. That was a wise thought of the Brobdignagian, whom Gulliver met in his travels, "for he held to the opinion that whoever made two ears of a corn or two blades of grass grow on the same spot of ground where only one grew before deserved more of mankind, and rendered more essential service to his country, than the whole race of politicians put together." What is true of the agriculturist is true also of the merchant or manufacturer. If he raises the standard of his goods, if he improves their quality, if he extends their sales, he renders the most essential service to mankind and his country.

MR. WILLIAMS OF NEW YORK.

Several gentlemen who were not upon the regular list of speakers were called upon, and among them was R. R. Williams, of the *Iron Age*, New York, who spoke for a few moments in his usual entertaining and pleasant vein. He was followed by William H. Williams, of the Van Wagoner & Williams Hardware Co., and president of the New York Hardware Club. Mr. Williams was in his usual happy vein, and among other things said:

After the eloquent address of Mr. Hoyt, who so graphically portrayed the glories of Cleveland, I can even more keenly than three days ago appreciate the honor of being invited to a banquet in this city. You were most kind to invite me, and you have emphasized that kindness by the cordiality of your greeting. For the invitation and the welcome I am deeply grateful in so far as they are personal to me, and in behalf of the organization which I have the honor to represent, I thank you for the kindness and warmly reciprocate the greeting. Meeting, as we do, in this beautiful and progressive city under the auspices of an association comprising some of the largest and most enterprising merchants in our business, with representative guests from almost every important distributing centre of the country, and meeting, as I believe, in a spirit of reciprocal helpfulness for the consideration of matters of common interest to you all, the augury for the future of the interests with which you are severally identified is cause for hearty congratulation.

There was just a little air of mystery a day or two ago about the objects of the gathering—who were coming, &c.—but that was soon dispelled, and it has been beautiful to witness the harmony which in solid chunks has been in evidence about this hotel during the past two or three days.

I well remember an incident that occurred at the close of the "late unpleasantness between the North and the South." You will remember it had been predicted that before the Confederacy would be conquered, grass would grow in the streets of New York. When the news that Richmond had fallen reached New York, a monster mass meeting—one of those spontaneous gatherings of the people that occur in times of great excitement—was held in front of the Custom House in Wall Street, and the venerable Abram Wakeman, who was called upon to speak, raised his hands impressively and warned the people "to get off the grass." You will agree with me that as a wholesale merchant, at least, the jobber is here to stay, while those who predicted his extinction have long since taken their departure. About the only fault I have to find with him is that he lets so little grass grow under his feet when hay is scarce with the manufacturers. We like to talk about the "white wings of commerce," but they are not "in it" with those wingless angels, who, representing the great mercantile houses of this country, carry the peaceful banners of trade into every hamlet where there are wants to be supplied. We hear about "ships that pass in the night," but the commercial tourist passes not. He usually stays in if there is only the ante to be played for. His determined and progressive energy have been a co-working force with art and science and religion in advancing the cause of civilization in the nineteenth century, for wherever he goes he carries information and diffuses sunshine, and when he leaves there is a yearning, if not an aching, void. And so I say that you who are responsible for his employment (and who reap the lion's share of the fruits of his labor) are here to stay, for the system of which you are a part is an integral factor in the civilization of the age.

Mr. Williams, who has the honor of having been the first, and so far the only president of the New York Hardware Club, touched upon the origin and value of the club in a general way, and demonstrated by the successful mission of this club the fact that organization and fraternization are of excellent value to the trade in many practical ways.

As it was now a late hour, no other speakers were called upon. A vote of thanks was given in three rousing cheers to the manufacturers and jobbers of Cleveland for their generous hospitality, and then, upon a suggestion of John Alling, of Chicago, John R Griffith, of Shields & Bro., Philadelphia, led in "Auld Lang Syne," in which the assembled company joined with hearty good will and somewhat unexpected melody.

VISIT THE WORKS.

The visitors in Cleveland were conducted through a number of the leading manufacturing establishments of that city, among which were the great works of the Cleveland Rolling Mill Co., at Newburg, and those of the Van Wagoner & Williams Hardware Co., near the lake shore. On Friday evening the visitors of the city were entertained at a dinner at the Union Club by Stewart H. Chisholm, president of the H. P. Nail Co. The affair was entirely informal, and, while no speeches were made, a great many stories were told, and the affair was unanimously voted a very pleasant and happy finale to an occasion that had been marked by success in every feature, from beginning to end.

AN EXPERT OPINION.

A HARDWARE reporter called upon William H. Williams, of the Van Wagoner & Williams Hardware Co., upon his return to New York, and obtained from him a very pertinent and interesting summary of what had been done, with some suggestions as to what would probably be the future of the new association. In answer to the questions "Was the gathering a success?" and "Will the Association be successful?" Mr. Williams said:

"I can only speak from an observer's standpoint, as, not being a merchant, I did not attend the convention. It seems to me that the start that was made was of a character that promises success for the enterprise. Nearly every large city from Boston to Omaha was represented. Had the gentlemen composing the convention, come there in a spirit of warfare

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against this, that, or the other real or imaginary abuse, which now exists in our trade, and each one determined to air his grievances, no matter what the effect might be, it is likely that the result of the convention would not have given promise of good results for the future. But a contrary spirit predominated. Each man seemed to think that it was feasible for the wholesale Hardware firms in the country to meet occasionally for conference respecting various subjects, and that they could do so with profit to all concerned. There was a manifest impropriety in discussing some questions in advance of the practical completion of the association. It seemed to me that an excellent start was made, but there are yet some things to do, as I am informed, to perfect the organization, and doubtless at the proper time, certain questions will be taken up and considered, such, for instance, as syndicate buying, net prices, publishing prices, the extent to which manufacturers can, with justice to the large distributors, go in selling retail merchants; and other kindred topics of common interest to all. I have not heard that any plan has been definitely mapped out, but I think it is generally understood that the subjects I have indicated will, at no distant date, receive consideration at the hands of the association. While I was not an attendant upon the proceedings of the convention, I was present in the city while it was in session, and met a great many of the members, and I heard nothing indicative of an unpleasant spirit towards any department in the business. One thing that seemed to me to be a noticeable feature of the meeting, was the many expressions of gratification on the part of those present, at the opportunity of meeting merchants in the same line of business, many of whom were competitors, and it was very pleasant to see the good feeling that prevailed among those who had hitherto been strangers; and this good feeling was not especially the result of Cleveland hospitality, although everyone went away with an enthusiastic opinion on that subject, inspired by grateful memories."

The Hardware clerk in certain parts of Texas finds that his surroundings make up in excitement what they may sometimes lack in culture and society. Some days since as the employees of a store at East Land, Tex., were pensively musing at eventide, six armed and masked men entered the store and attempted a general round-up for the purpose of stealing rifles and ammunition. To the credit of the clerks, it must be said that they made a vigorous response, and in the general fight that ensued many shots were fired, but nobody was hurt, which latter fact is unusual in Texas. The bandits escaped to the woods, and a posse was organized in pursuit.

Now that the refrigerator season is commencing, the attention of those who are interested therein is directed to page 63 of this issue, upon which the Grand Rapids Refrigerator Co., of Grand Rapids, Mich., once more present the claims of their famous Leonard Cleanable Refrigerator. Their statement is terse and attractive, and as the company have a reputation of living up to their promises, and of furnishing just such goods as they describe to the trade, the points they make therein are certainly worthy of attention by all dealers who are interested in this line.

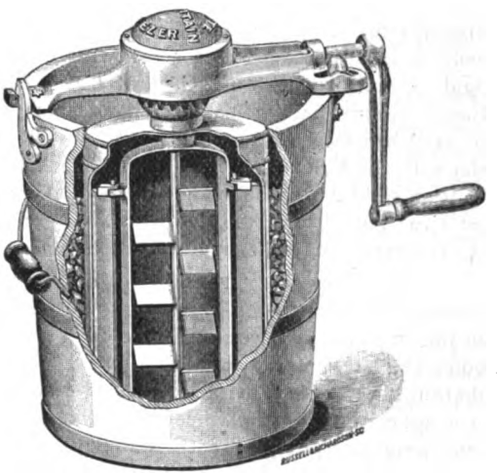
In the last number of HARDWARE, its Davenport correspondent, J. R. Nutting, does a pretty piece of booming for the Tri-Cites and Davenport. It is the kind of advertising which the Business Men's Association has paid big money for and is in one of the best trade publications in the country. HARDWARE has a very wide circulation, reaching business men in every part of this wide country, and as the letter is written in Mr. Nutting's attractive style, it is sure to compel attention and do good.—*Davenport, Iowa, Tribune.*

The Hazard Powder Co., of Hazardville, Conn., are sending their friends a photograph of a group of trophies won by use of the Kentucky Rifle Gunpowder manufactured by them. A mere sight of this photograph is sufficient to warm the blood of any sportsman, and to send him, in mind if not in person, into the woods and fields in search of like conquests.

The White Mountain Freezers.

The White Mountain Freezer Co., Nashua, N. H., with warerooms at No. 105 Chambers Street, New York, whose advertisement appears on page 82 of this issue of HARDWARE, call attention of the trade to a new and important improvement in the celebrated White Mountain Freezer for 1895. The manufacturers claim that there has been a growing demand for some improvement of the regular crank freezer, whereby the time required to freeze cream could be materially reduced. With this object in view, the White Mountain Freezer Co have perfected their White Mountain Freezer by the introduction of a double self-adjusting wood scraping bar attached to the celebrated duplex dasher, which they say "has always been a feature of, and used exclusively in this Freezer," with which they claim "cream can be frozen in four minutes, or less than one-half the time required with any other freezer on the market." They further state that the above result has been repeatedly produced in a legitimate manner, and that there is no reason why the same result cannot be obtained by any person using the freezer.

In this connection, they add, that as it might be inferred that by such a reduction in the time of freezing, the quality of the cream would be seriously impared, they prepared for this possible trouble by the application of a double set of floats to the inside beater rod (see cut) where heretofore a single set was used. "This greatly increases the agitating power of the beaters, and this extra agitation produces the same fine quality of cream that has always been a leading characteristic of the



White Mountain Freezer." They claim "that the White Mountain is now, and always has been the superior of any freezer made, in point of workmanship and general finish. The tubs are waterproof, strong, bound and fully protected by heavy galvanized iron hoops; gearing completely covered so that nothing can get between the cogs; cans full size, and made of the very best quality of charcoal tinplate; beaters of tinned malleable iron (do not break); all castings attached to the tub nicely galvanized to prevent rusting, and it is the only freezer in the world having the triple motion."

It is stated that these freezers are sold by all the leading jobbers throughout the country, and that the demand for them increases every year. The company intend to keep their line in the front ranks and strive in the future as they have in the past, to merit the full confidence of the trade.

The Grafton Stone Co., No. 220 River Street, Grafton, Ohio, upon page 59 of this issue, furnish some information which will certainly be of value and interest to anyone handling grindstones, scythe-stones and articles of that character. This company stand very high in the reputation of the trade, and any proposition they make can be depended upon. They manufacture a full line of scythe-stones, among which are Western Red End, Quinnebog, Diamond, Silver Grit, Harvest Queen, and other well known brands. They state that their enameled baseboard family grindstones are "the latest thing on the market, and each stone is furnished with a screw clamp attachment to secure it to the table." They will be pleased to send prices and further information upon application.

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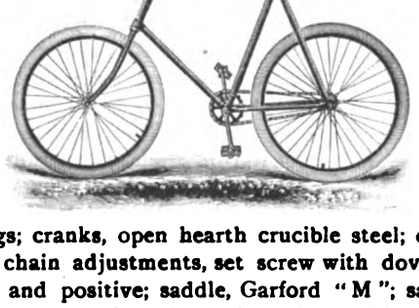
The "Falcon" Line for 1895.

The Yost Mfg. Co., Toledo, Ohio, have permitted us to herewith make an illustrated announcement of their line for 1895. In response to a request from HARDWARE they say:

In accordance with the courtesy extended to use your valuable journal to give a full description of the Falcon line of wheels for 1895, we take pleasure in sending you electros of cuts of the following wheels with description of said line, consisting of seven distinct patterns, ranging from $65 to $100 inclusive.

NO. 3.

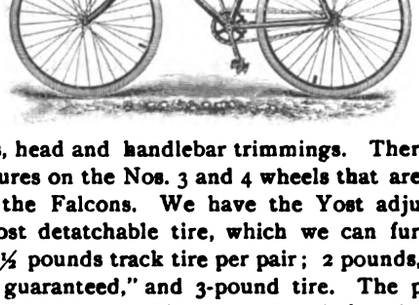
Frame, diamond pattern; tube, cold drawn weldless steel, size from ⅝ to 1 inch in diameter; frame parts, drop forgings; steering head, 10½ inches long, 3½ inches in diameter; handlebars, cold drawn steel with clamp binder 13-16 inch in diameter; handles, corkaline; wheel, base, 44 inches; rims, wood, rock elm or cold rolled steel; tires, Yost detachable or Morgan & Wright 1⅝ inch; pedals, rubber or rat trap, dust proof centre



and bearings; cranks, open hearth crucible steel; chain, solid link blued; chain adjustments, set screw with dove tail side plates rigid and positive; saddle, Garford "M"; saddle post, Yost adjustable; sprocket wheels, interchangeable, drop forged and hardened; bearings, all dust proof, fitted with large balls so popular with the Falcons; cones and ball track, cold drawn steel, cut from solid bar hardened and lapped to size; weight, with Yost tire "guaranteed," 24½ pounds, Morgan & Wright "N" tire, 25 pounds; finish, enamel trimmed in nickel plating.

GOLD CRANK "FALCON" NO. 4.

This wheel we believe to be the most popular and attractive wheel on the market on account of the nicety in points of finish, being the latest model and design in cycle construction, the gold cranks, a new and attractive feature, adding materially to the appearance of the wheel. This wheel, with light equipment, weighs 21 pounds; with road equipment, "guaranteed" tires, 22 pounds. The specifications of frame and parts are identically the same as the No. 3, excepting being 5½ inches in tread, outside measurement, and being finished with



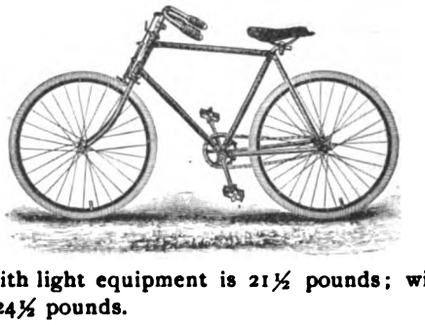
gold cranks, head and handlebar trimmings. There are many special features on the Nos. 3 and 4 wheels that are only identified with the Falcons. We have the Yost adjustable seat post and Yost detatchable tire, which we can furnish in all weights; 1½ pounds track tire per pair; 2 pounds, 10 ounces road tires "guaranteed," and 3-pound tire. The principle of the large ball bearings and large spockets is found throughout the entire line. This principle has been demonstrated beyond a question of doubt as being a correct principle. We give option of adjustable handlebar, or plain, with either Nos. 3, 4 or 8 wheels; also option of Yost detachable tire or Morgan & Wright tire.

NO. 8.

Our No. 8 wheel is designed for riders of short stature and heavy road riding. The frame is 23½ inches high; wheel base, 44 inches; 7-16 ball bearings; large sprockets; adjustable handlebar and seat post; wood or steel rims; Yost or Morgan & Wright tires.

NO. 5.

Our No. 5 wheel is a high grade 26 inch wheel adapted for boys, or ladies wearing rational dress, equipped with 1½ inches or 1⅝ inches Yost tire, wood or steel rims. The weight of



this wheel with light equipment is 21½ pounds; with heavy equipment, 24½ pounds.

NO. 6 FALCONESS, LADIES' WHEEL.

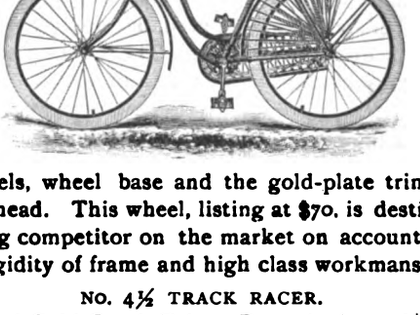
Our No. 6 Ladies' Wheel is a double drop frame wheel, brazed at yoke and rear, made of the best cold weldless steel tube, steering head 7½ inches, furnished with tool bag, pump, oiler and repair kit, special finish on cranks, head bushings,



head and handlebar, trimmings in 18-karet gold, skirt and chain guard laced with gold cord lacing. This wheel we believe to be a compeer for the No. 4 Gold Crank Falcon, and is a model of beauty in every respect.

NO. 7, 26 INCH FALCONESS LADIES' WHEEL.

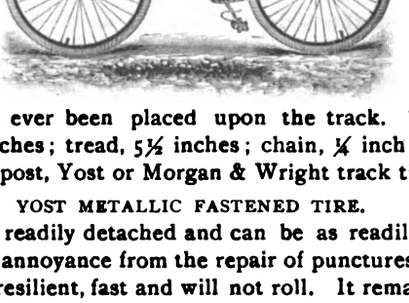
Our No. 7, 26 inch Falconess Ladies' Wheel is the same style and design as the No. 6 Falconess, 28 inch, differing only in



size of wheels, wheel base and the gold-plate trimmings on cranks and head. This wheel, listing at $70, is destined to be a very strong competitor on the market on account of its appearance, rigidity of frame and high class workmanship.

NO. 4½ TRACK RACER.

Our No. 4½ Gold Crank Falcon Racer is the only track racing wheel on the market with large sprockets and large ball bearings. These features are known to be correct, reducing friction to a minimum, and, we believe, producing as speedy a



wheel as has ever been placed upon the track. The wheel base is 44 inches; tread, 5½ inches; chain, ¼ inch: Yost adjustable seat post, Yost or Morgan & Wright track tires.

YOST METALLIC FASTENED TIRE.

This tire is readily detached and can be as readily replaced, reducing the annoyance from the repair of punctures to a minimum. It is resilient, fast and will not roll. It remains fast to

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the rim when deflated, and is the only detachable tire that can be successfully used with wood rims and upon which we give a liberal guarantee.

PEDALS.

The pedals have drop forged ends, 3-16 inch balls, dust-proof centre and ends; weight of rat trap, 14 ounces per pair, attached to crank with right and left-hand tread in crank and on the stud and held firmly to place with set screw.

The "Falcon" line of wheels for '95 is full and complete in every sense of the word, and should be considered desirable from an agent's standpoint for reason that all popular demands can be supplied from the one make of wheels. The general high character and finish of the "Falcons" are destined to be recognized in the front ranks of cycle industry during '95 and can be best appreciated on inspection.

New England Iron & Hardware Association.

The regular monthly meeting of the association was held on Tuesday evening, December 18th, at the Exchange Club, Boston. The occasion was made a sort of Christmas festival, and after the dinner, to which fifty members sat down, packages of toys were distributed. The originator of the idea was Charles C. Adams, of Sargent & Co. The festivities were presided over by Chairman Haley. The speakers of the evening were Lietenant-Governor Wolcott and Secretary of State Olin; S. A. Bigelow, of Bigelow & Dowse Co.; William Chamberlain, of Emery, Waterhouse & Co., Portland, Me., and H. C. Bangs, of the Congdon-Carpenter Co., Providence, R. I.

Most people imagine that pneumatic tires are novelties of recent invention, and yet they were actually used on English roads nearly fifty years ago. We read that "at the Bath and West of England Agricultural Show, held at Guilford, a couple of carriage wheels were shown, fitted with pneumatic tires. These were made by May & Jacobs for the Duke of Northumberland, forty-seven years ago, but the carriage proving too heavy for the horse, they were disused. The tires were constructed on almost exactly the same principle as those in use on cycles to-day, an inner air chamber, with a stronger outer cover. When punctured, they were repaired by the same means as now adopted."

At a meeting of the Hardware Merchants' & Manufacturers' Association of Philadelphia, on Tuesday, December 18th, at their rooms in the Drexel Building, the following nominations for officers were made: President, William W. Supplee; vice-president, Samuel Disston; secretary and treasurer, T. James Fernley. The board of directors for next year will be composed of these gentlemen, in connection with Charles M. Biddle, Fayette R. Plumb, Hugh McCaffrey, John R. Griffith, Elmer E. Brown and Charles M. Ghriskey.

Elsewhere in this number. the H. P. Deuscher Co., Hamilton, Ohio, who stand very high in the line of agricultural implement manufacturers of this country, present illustrations of several of their leading lines. The attention of the retail dealers everywhere is invited to their statement, and those who desire more definite information than is contained therein, can obtain the company's catalogue, with prices, upon application.

The Syracuse Cycle Co., Syracuse, N. Y., whose line of bicycles we described in full in a recent issue of HARDWARE, announce that their line will be disposed of by the A. F. Shapleigh Hardware Co., St. Louis; Farwell, Ozmun, Kirk & Co., St. Paul, Minn., and the Supplee Hardware Co., Philadelphia. This company manufacture the well-known "Crimson Rim," which has won so great a success in the bicycling world.

Chandler Robbins, president of the Chicago Sewing Machine Co., whose impaired health necessitated his lingering several months in the neighborhood of Atlantic City, has recently returned to his home, greatly improved in health and vigor.

The Indiana Wire Fence Co., Crawfordsville, Ind., are sending their friends a very handsome illustrated wall calendar for 1895. A specimen already adorns the walls of HARDWARE.

Review of the Markets.

Money: The supply of money at this point is abundant, and the banks are strongly intrenched as they have been for many months. The movement of gold abroad continues, and is likely to do so indefinitely. During the past seven days the amount shipped aggregates nearly $5,350,000. Rates for money, however, have not been affected. Call loans have been made at 1½%@2%. Time money is offered freely at 1½% for thirty days, 2% for sixty to ninety days, and 3@3½% for five to seven months. Not much commercial paper is being negotiated, and the demand is fair at 3% for sixty to ninety days. Trade is influenced in a depressing manner by the discussion in Congress of the currency question. The bill now before that body does not have the unanimous support of the bankers, by any means, and seems to be losing support in the House every moment. The national Treasury gold reserve is now about $91,500,000, the loss since its replenishment being nearly or quite $18,000,000. The foreign exchange market is quiet. Posted rates for sterling, $4.88½ for sixty-day bills and $4.89½ for demand.

Prices show no indication of an upward tendency, nor, on the contrary, has there been further decline. On Wednesday there was a great public sale of cottons in this city, about 27,000 packages being disposed of at an aggregate value of over $2,225,000. The goods sold from 5% to 10% below regular market rates, and all interested expressed themselves as well pleased at the result. While the sale was pronounced a "great success," it had no visible effect upon the cotton market.

The distribution of Hardware has fallen off perceptibly since our last, but this is to be expected at the end of the year when the time has arrived for the annual inventories and the closing up of the year 1894. Salesmen are being called in by many jobbers. The holiday trade is occupying the attention of most of the retailers, and the volume of such transactions is larger than last year, although the mild weather has retarded sales of seasonable winter goods to some extent. Prices are not to be called firm, though in some lines there is perhaps a better feeling.

There is a fair movement in Barb Wire, with little or no change in quotations as given in our last issue. At the mills, $1.85@$1.90 prevail on carload lots, though it is likely some concession from these figures would be made if necessary to secure an order. Correspondents in Chicago inform us that at that point manufacturers are having a very satisfactory amount of business, the demand being mostly for the higher grades. They say they have enough orders to keep them fairly busy for the first three months of 1895, and, upon the whole, regard the situation as one of great hopefulness. They quote a rate of $2 at the factory for carloads, and $2.05 for smaller amounts. Some important transactions have lately been made in Chicago in plain wire, and the amount involved is so large that it would seem as if buyers anticipated no lower prices very soon.

Nails: Wire Nails remain in about the same condition as a fortnight ago. While manufacturers could take care of more orders, they are not complaining at all. The orders being placed with the trade are of an every-day character, and small lots from store here are quoted at $1.15 to $1.20. Stocks in merchants' hands are apparently light, and with the turn of the year a larger demand is anticipated. Cut Nails still sell on a basis of 85@90 cents on carload lots on dock in this city, and five cents more for small lots. Our Chicago reports intimate that the conditions at that point are unchanged, the demand being only for small lots. These, however, are coming in steadily. Small lots there are quoted at $1.

Iron and Metal: The outlook is not cheering. Prices are lower than ever known in some branches. The volume of work being done is perhaps as large as in some other years, but there are indications that there will be a reduction in the not distant future. There seems to be no cause for supposing we shall see higher prices for some time, and this opinion is reflected in the fact that for lake ores, prices have been made up until next October at the lowest rates made this season, and in the further fact that coke is being sold at very

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low rates for the first six months of 1895. Steel Billets, it is reported, have sold as low as $15 at Pittsburg—a quotation as low as the lowest that has ever been made. Finished material, in sympathy with other iron products, is also low in price, but there is a better demand reported. Foundry iron seems to be held rather more firmly, and it was even reported on the street that a leading Southern company had advanced its rate $1 per ton, and had 170,000 tons of orders on its books. Pig Tin has steadily pursued a downward course. Shipments from the Straits are reported ample, so higher prices are not anticipated soon. We quote $13 70@$13.75 for large lots. Copper: Lake ingots quotable at 10 cents, and for outside lots, 9⅞ cents. There has been a slight advance in rates. It is likely that the output for the next few months will be under the average. Tin-plate exhibits a little more activity, but the demand is not great. Some improvement will probably be noticed as spring preparations for canning begin, which will be very soon after the turn of the year. The rapid development of this industry exerts a decided influence upon the amount of tin-plate consumed in this country.

Pig Lead: Transactions are not extensive here. Supplies are only moderate, and rates are quite firmly held. Car lots, $3 15@$3 17½ for common Western. Spelter, easy. Market remains dull and devoid of interest, as has been the case for a long time. We quote $3 35@$3.40 for Western ordinary. Antimony, dull and rates practically unchanged. Spot quotations, 7¼ for Hallett's and 8½ for Cookson's. Shot: Demand from manufacturers moderate. Market rules rather dull all around. The schedule of prices as made by the Association remains without change as follows: Drop shot, up to B, $1.15 for 25-pound bags; 30 cents for 5-pound bags; B and larger, $1 40 for 25-pound bags; 35 cents for 5-pound bags; buck and chilled, $1.40 for 25-pound bags; 35 cents for 5 pound bags; dust shot, $1.75 for 25-pound bags and 40 cents for 5-pound bags. Discount at 20 cents per 100 pounds, and 2½ per cent. will be allowed on lots of 2000 pounds or more. Terms—Net, 30 days, 2 per cent. discount for cash in 10 days; freight equalized with any manufacturing point east of the Mississippi River.

Linseed Oil: Demand light; but quotations are firmly held as follows: Raw, American seed, 56 cents; boiled, American seed, 59 cents; raw, Calcutta seed, 56 cents.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot.....₩ ℔....	11
Arisona & Baltimore Cast'g	10¼
Ansonia "A" Casting.....	10⅜
Anchor Rolling.....	10⅛
Baltimore Rolling.....	10⅛
Orford.....	10⅛
Tobin Bronze—Rods.	
¼ inch to 8⅛ inches, incl ...17c. ₩ ℔	
Over 8⅛ to 5 " " ....18c. "	
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 8⅛ inches, inclusive..18c. "	
Over 8⅛ to 5 " " ..19c. "	
Antimony.	
Hallett's.....₩ ℔....	8¼
Cookson's.....	10
Lead.	
Foreign.....₩ ℔....nominal.	
Domestic.....	3½@3¾
Spelter.	
Foreign.....₩ ℔....	4¾
Western, common.....	4@4¼
Zinc.	
Sheet, cask.....₩ ℔.....	4¾@5
Tin.	
Straits, 10 ton lots, spot ₩ ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4⅝
Bessemer do.	4 85
Charcoal Tins:	
Melyn grade, 14x20 IC....	8⅛
Each X $1.50.....	
Allaway grade, IC 14x20...	
Each addit'al X add $1.00	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4⅝
Do 20x28.....	9.25
M. F., 14x20.....	4⅛
Do 20x28.....	18 00
Dean, 14x20.....	4⅛
Do 20x28.....	9 00
D. R. D. grade, 14x20.....	4⅛
Do 20x28.....	8⅛

Clapp & Co., bankers and brokers, Mills Building, this city, says in their weekly market letter: "The United States system of collecting information about crops in the 2500 agricultural counties of the United States appears the best on earth. California does about half her fall seeding before Christmas. The visible supply is more than 10 per cent. larger than a year ago, or more than 88,000,000 bushels. The amount afloat and the European visible gained the past week nearly 4,000,000 bushels. The world's visible December 1st, according to the *Daily Bulletin*, was 218,857,000 bushels against 235,388,700 bushels a year ago and 231,575,000 December 1, 1892. Ordinarily, about the holidays it is around the maximum amount reached. A steady decrease is now likely. Should Black Sea and Argentine shipments fall off, a good demand might spring up the early part of 1895 to fill up the 35,000,000 bushels deficiency in the European visible supply. Producers usually market the larger part of their crop the first ninety days after harvest. If they were to take twelve months in disposing of their supplies or only deal it out in quantities to create ambitious buying, we think consumers would enhance values to the satisfaction of growers. English buyers would certainly be more anxious if American visible supplies were in growers bins. Perhaps it was farmers' urgent needs that created hasty distribution and broke prices below all known records, rather than excessive supplies as has been supposed."

THE DAVENPORT TRADE.

Trade is improving, and the aggregate is larger than a year ago at this time. The orders are, however, for goods for immediate wants, and there is no evidence that the trade is anticipating requirements for anything except barb wire and nails.

Most of the goods selling comprise a vast number of articles, indicating light stocks that need frequent assorting additions. It may also be stated that goods intended for holiday trade, such as skates, hand sleds, cutlery, plated ware, especially aluminum novelties, etc. make up quite a percentage of sales.

The weather has been unusually pleasant, December, so far, seeming more like October than winter. The roads are in perfect condition, giving farmers an opportunity to market their products, and their presence adds very much to the lively appearance of our towns.

The Sylvan Steel Works are completed, and are now running full time; they announce that they are ready for orders for both hard and soft steel, bar iron, etc., etc. The opening of this mill is an important acquisition to our already large manufacturing interests.

The United States Arsenal here has completed it's first five-inch calibre Howitzer seige gun carriage; it stands six feet high to the centre of the gun axle, weighs 1850 pounds, while the gun itself weighs 3650 pounds. The gun will carry the heavy projectile five inches in diameter a distance of sixteen miles; there are twenty of these gun carriages being built now at the arsenal in addition to the one mentioned.

Robert Sickels, of Sickels, Sweet & Lyon, of New York, and also our worthy president, has just paid us a visit.

SICKELS, PRESTON & NUTTING CO.

THE CLEVELAND TRADE.

Business has kept up for the present month better than we had anticipated, demonstrating beyond doubt that stocks are in a very impoverished condition and need constant replenishing.

A large number of orders have been taken for staples, such as wire and nails, for future delivery. Aside from this, however, there seems to be a tendency upon the part of the trade to hold off, awaiting developments. The mild weather of the past two weeks has had bad effect upon the sale of skates, sleigh bells and other seasonable articles of that description, but if experience of the past is an index, we will yet have some weather that will make these articles move and clean up all stocks.

Holiday trade is satisfactory, and a decided contrast to that of a year ago, when everybody was suffering from the effect of the six months previous. There is undoubtedly a more confident feeling prevailing in general, and we believe that the spring of 1895 will show a very decided improvement over the corresponding period of 1894. The outlook is cheerful, and at the gladsome season now approaching, it is pleasant to feel that the prospect for the future is encouraging.

We wish all your readers a Merry Christmas and Happy New Year. THE MCINTOSH-HUNTINGTON CO.

THE BOSTON TRADE.

The usual conditions that are noticed at the close of the year are now prevalent, and stocks are being put into such a shape as to make the detail and work of inventory as light as possible. The amount of business has been satisfactory during the last quarter of the year, and shows a good increase over the corresponding season of 1893.

At this time when it is natural to look forward and conjecture what are the prospects of improvement in industrial conditions, we can see much to be thankful for. During the past two years the business men of this country have been subjected to a long succession of events, the tendency of which was to

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curtail business and depreciate values. Certain important events have been anxiously looked forward to as the turning points in the long story of depression, but now the prospects seem brighter, and how far the promise is to be fulfilled, is an important question.

Both political parties are willing to lay down their arms over the tariff question, and we are confidently expecting that this subject is out of danger for the present. The issue of fifty millions of government bonds, and successfully placing the same at a handsome margin, prove that our credit is still unimpaired.

The depreciation of many inflated stocks, the fall of the cordage trust, the proof that it is impossible to divide Southern mountains and marshes and sell them for corner lots, the fall of the Atchison system which proved itself to be built upon sand—all these conditions, although unfortunate and expensive, have done much to place us upon sound business basis, and we are to-day in that state of industrial health which is encouraging.

As we close the year with such conditions, may we not have good reasons to be hopeful for 1895?

FRYE, PHIPPS & CO.

THE MINNEAPOLIS TRADE.

The year 1894 has not been a prosperous one, on the whole, for the retail Hardware dealers in the "twin cities." There has been very little building; much less than for many years, and while there is a much more hopeful feeling at the present time, naturally for the next two or three months, trade will be very quiet, as is usual during our severe winter weather.

Inventories will be taken soon now, and if taken honestly at current market rates, stocks will show a larger shrinkage in values, and in many instances without doubt the profits during the year have not been sufficient to stand this shrinkage. During the past two years there has been a gradual weeding out of a great many small contractors, and many of them have not been able to pay their bills in full, thus making an additional loss to dealers who have been supplying them. Many of these parties would have been able to pull through had there been a fair amount of business during this year.

Money is plenty and at moderate rates on good security. At the present time it is cheaper than it is in the East, there being a general tendency to liquidate, rather than to use money for new enterprises.

Stocks in the hands of local dealers are light, and should there be a revival of building interests here in the spring, there would be a good demand from this section. Prices are low and competition very sharp on what business is offering, and in many cases contracts have been taken at figures which it is hard to believe would leave any margin for profit.

The traveling men for jobbing houses are all in now, getting ready to start out soon after the opening of the new year.

The weather is fine; no snow. It is giving the lumbermen considerable uneasiness, as there are large quantities of logs skidded, waiting for snow so they can be hauled, or steady cold weather, which would enable them to make ice roads, something they have not been able to do thus far this season, but as Minnesota is pretty sure of a good crop of ice every winter, undoubtedly they will have an opportunity to haul their logs later on.

We all say "good-bye" to 1894, and hope that 1895 will do better for us and the country at large.

W. K. MORISON & CO.

THE LOUISVILLE TRADE.

The year now drawing to a close will long be remembered by business men as in many respects a remarkable one. The ball that was set to rolling by the Barings failure, and went the rounds, knocking down all the pins in its pathway, was but the forerunner of other evils that followed—lack of confidence, and the consequent withdrawal of money from circulation, followed by reduced purchases and accumulation of manufacturers' stocks; next, reduced hours of labor in factories, followed ultimately by "shut-downs" and the logical accompaniment of hosts of idle men.

Ominous mutterings, rumblings of the approaching storm could be heard as early as a year ago, presaging the cyclone of violence that swept over the country during the past summer. Early in the year idleness and want hung like a pall over the masses; later, discontent, defiance of law, and violence, characterized the acts of the unemployed.

Municipal, state and national expenditures were piled up, in suppressing disorder, and business interests lay helpless on the dissecting table at Washington, and almost died of exhaustion while the doctors were discussing their ailments. Had our national representatives, when urged by the press and the people to do so, over a year ago, indulged in less oratory and jokes, and pushed needed legislation, possibly a retrospect of the business of 1894 might have been a more cheerful one.

Unprecedentedly low as prices seemed to be at the beginning of the year, further declines continued to occur, notch by notch, until from twenty to thirty per cent. had been swept from the figures leading staples represented then. Surely pessimists should be satisfied with this verification of "I told you so," and ought now step aside and give the other fellow a chance.

At present prices we ought to be able to ascertain "where we are at," and those who take account of stock on the 1st of January will doubtless appreciate the merits of the basic system. The opinion expressed in a former letter, of the existence of a better feeling, has been strengthened since then. Reports from all sections confirm the resumption of confidence in approaching better times, and this in itself constitutes an important feature.

There has been no increase of trade here since we wrote last, but at this time of year we would be surprised were it otherwise. Save the slight advance made by the Bolt Association there have been no changes worth noting in prices, except that wire nails and wire seem to be exceedingly weak. Whether this has been brought about by the fondness of manufacturers for this market, we cannot say, but it is hinted that a stock of these goods, which is being placed here by one of the makers, has something to do with it. The cause may be open to conjecture, but the effect is apparent.

We beg to salute HARDWARE and its editors, and wish it and them good health and lots of good luck during the coming year. We doff our hat to your readers also, and trust the New Year will prove to us poor jobbers the harbinger of better times.

THE TODD-DONIGAN IRON CO.

THE AUSTRALIAN TRADE.

There is very little improvement in the volume of general trade. Money in the country districts is tight, as a result of the necessities of the farmers, who, at this time of the year more than any other, just before harvesting commences, find it necessary to ask for a good deal of accommodation.

While there is no marked improvement, yet the business done is of a more healthy character, without extravagant credit and on a much sounder basis than ever before. The good results of such policy will manifest themselves in the future.

A general reduction in bank deposit rates has taken place, due to the banks having more money offered them than they can profitably employ. This reflects the prevailing want of confidence; but the continuance of low rates will inevitably lead to the seeking by depositors of other channels for their surplus capital. There is no doubt many such opportunities exist, and of a perfect stable character. With the application of cheap money to the development of producing industries general business will enjoy a much needed revival.

In the meantime country interests are in fairly good shape, and there is every reason to expect an exceptionally good season for all crops. Dairy produce is being exported in large quantities and the production of gold is on the increase.

MCLEAN BROS. & RIGG, LTD.
Walter J. Travis, Mgr.

Nos. 52 and 54 New Street, New York.

The extensive plant of Plumb, Burdict & Barnard, at North Tonawanda, N. Y., which has been erected for the manufacture of nuts and bolts, is now assuming such proportions and so rapidly approaching completion, that the company are beginning to see the promised end. They think that the building will be completed by February, and that over 1000 men will be at work therein by the first of May.

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The Best Razor Strop Dressing in the World.

Why STROPINE is such a Good Seller:

1st. It is the most attractively put up. (See cut.)

2nd. It is the Best Razor Sharpener.

3rd. It gives the Smoothest Edge.

4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY

STROPINE CO., 62 Purchase St., Boston, Mass.

Exports of Hardware Goods.

A series of statements showing the exports declared for the United States at the consulates and agencies of foreign countries during the quarter ending September 30th have been received in response to an order issued by the department of State to consuls-general in Canada, Mexico and the various countries of Europe, who are instructed to transmit as soon as possible after the end of each quarter consolidated statements of exports to the United States declared in their respective districts and those subordinate to them. The consuls were directed to forward to the consul-general having supervision over them the statement of exports for their district. The totals often include reports from ports not particularly enumerated. The declared exports of different countries thus far received show the following declarations for Hardware and kindred goods:

Belgium: Iron barrels, $434.25; cartridge shells, $694.25; firearms, $157,109.79.

France: Hardware, machinery and metal manufactures, $35,287; platinum, $12,402; nickel, $1911; tin and tin cans, $10,829.

Germany (Frankfort and subordinate consulates): Iron wire, steel and cutlery, $469,657.92; platinum wire and platinum, $59,793.54.

Russia: Platinum, $14,935; sheet iron, $10,467.

Sweden and Norway. Iron wire rods, $119,495.03; nail rods, $54,815.73; mica, $139.

Switzerland: Hardware, $6204.06.

British India: Mica, $18,568.

J. W. Kiser, president of the Monarch Cycle Co., Chicago, has been spending a few weeks on the Pacific Coast in the interest of the Monarch wheel. He is on his way back with his pockets filled with specifications for future delivery. Bicycles will thrive in 1895.

All Names for Bicycles.

Here is an amusing linguistic consultation on the subject of the denomination of the velocipede in different languages: In French it is called "celerifere" and "velocifere." Then came the words "bicycle," "bicyclette," "veloce," and at last "velo." The word "becane," which has also been given to it, is taken from the Argot. Its etymology is unknown. It signifies simply machine. In Italian it is called "velocifero," "velocipede," and "bicicletta." The same in Spanish. In Germany it is "farrad" or simply "rad," just as in English they say "wheel." The Chinese sometimes call it "gaugma," which means "foreign horse," and sometimes "fei chai," "flying machine." They also call it "tzu tzun," "carriage-that-goes-without-horse." But the palm must be given to the Flemish. In addition to the appellations, "snelwiel," "voetwiel," and so forth, some of the wags on the banks of the Escault have baptized this winged contraption with the centipede name, "Gewielsnelrijvoettrappeudneusbrekergestel!!!"—*Courier des Etats Unis.*

The local scribe of Franklin, Iowa, informs a listening world that "Fred Weber has opened a soft Hardware and wet implement business." Will some genial traveling salesman acquainted with the secrets of the West kindly explain what this means?

The Naugatuck Malleable Iron Co., at Naugatuck, Conn., have placed the contract for their new annealing room with the Berlin Iron Bridge Co., of East Berlin, Conn. The building will be 94 feet wide and 175 feet long, entirely of fireproof construction.

A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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"ANOTHER BIG DEAL!"

You will say. Well, however that may be, we would simply remark that here is the big

Triumvirate

Of the Cycling Business,

and they sell the

SYRACUSE.

Could you pick a better trio?

A. F. SHAPLEIGH HARDWARE CO., St. Louis, Mo.; FARWELL, OZMUN, KIRK & CO., St. Paul, Minn.; SUPPLEE HARDWARE CO., Philadelphia, Pa.

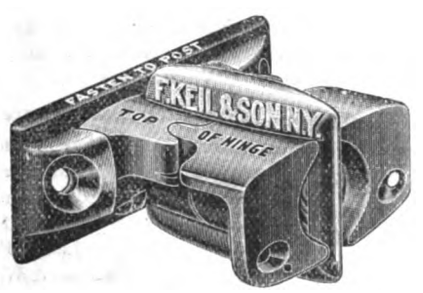
THEY ARE THE WHOLESALERS. - WE ARE THE MAKERS. - ARE YOU A RETAILER?

Dirnberger Rides the Crimson Rims.

SYRACUSE CYCLE CO., Syracuse, N. Y.

SEND FOR HANDSOME CATALOGUE.

Buy The "Superior" House Gate Hinge.



IT HAS NO EQUAL.

Sample model gate with first order for one dozen of these hinges.

MANUFACTURED BY

FRANCIS KEIL & SON,

New York, U. S. A.

A meeting of the Stove Bolt & Tire Bolt Manufacturers' Association of the United States, was held in Cleveland, Ohio, December 13th. About a dozen manufacturers from different parts of the country were present, and the afternoon was spent in talking over the condition of trade and methods of improving it. Among those present were J. A. Nealey, Providence; W. G. Smythe, New York; R. H. Birdsell, Port Chester, N. Y.; Samuel Comly, Port Chester; H. A. Lanman, Columbus; S. J. Hayes, Mt. Carmel, Conn., besides several gentlemen from Cleveland.

In the list published in our latest issue of the exhibitors at the coming Chicago Cycle Show, the name of the Keating Wheel Co., Holyoke, Mass., was omitted. It was of course well known by any one who has knowledge of this enterprising company, that they would be on hand up to time and in full force. They will be found in space No. 17, where they will have an elegant display of their eight new models, and hope "there to renew acquaintances with all their old Western friends, and to make a great many new ones."

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents. The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels.
——Star Oilers, 15 cents.——
CUSHMAN & DENISON, 172 9th Ave., N. Y.

Side Line Offered.

WANTED—Traveling salesmen visiting stove and tinware, Hardware, house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co., Lock Box 47, Mercer, Pa.

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THE RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published

New Hardware Stores.

Aroostook, Me.—Joseph Fisher.
Burlington, Vt.—John A. Manson & Co.
Dunbar, Neb.—Fred Roos.
Eureka Springs, Ark.—J. Newport.
Genesee, N. Y.—John Williams.
Metamora, Ill.—John Bride.
Old Town, Me.—A. J. Sawyer.
Orangeburg, S. C.—Brunson & Bros.
Yarmouth, Me.—Griffin & Russell.

Record of Changes.

Belmont, N. H. — By mutual consent, the partnership heretofore existing under the name of Bean & Smith, Hardware dealers, has been dissolved.

Bowling Green, Ohio.—Stanley E. Olcott, of Perry, Mich , has bought the one-third interest of Loomis, Marble & Co., Hardwaremen, and becomes a resident of Bowling Green. The new firm is Loomis, Marble & Olcott.

Farmer City, Ill.—Herbert Carr has bought the interest of George A. Wheeler in the Hardware firm of Fox & Wheeler.

Frost, Tex.—B. H. Johnson, Hardware, succeeds Johnson & Scott.

Geneva, Neb.—J. M. Fillebrown & Co., Hardware and agricultural implements, now H. I. Smith & Co.

Gloversville, N. Y.—Hanson & Decker, Hardware dealers, have been succeeded by Miller & Russell.

Grand Rapids, Mich.—John Dykema has purchased the Hardware stock of W. A. Palmer at No 676 Wealthy Avenue.

Lake Odessa, Mich.—E. F. Colwell & Son, Hardware, succeeded by Fowlin & Kart.

Lancaster, Pa.—F. G. Musser, Hardware, bicycles, etc., reported gone out of business.

Le Sueur, Minn.—W. C. Snow, Hardware, sold stock.

Ludington, Mich.—Bradley & Keber, Hardware, dissolved.

Madisonville, Tenn.—Wright & Lowry, Hardware, sold out.

Malta, Ohio.—The Rodgers Hardware Co. have been suuceeded by Charles E. Smith & Co.

Marion, Ohio.—Kling Bros. & Wilson, Hardware merchants, are succeeded by Kling & Wilson, V. H. Kling retiring.

Mayfield, Ky.—Lockridge & Wilson, Hardware, partnership dissolved. Business will be continued by W. A. Lockridge.

Meridian, Tex.—Adams & Odle, Hardware, reported sold out.

Montrose, Iowa.—J. B. Kiel, Hardware merchant, sold stock to W. C. Andrews.

New Berne, Tenn.—G. W. Parker will continue the Hardware and stove business of G. W. Parker Co.

Peru, Ill.—Mr. Gemelich has sold his Hardware business to Henry Sperber.

Philadelphia, Pa.—Oldden & Mitchell, Hardware, sold out.

Plainfield, Wis.—Williams & Rawson, Hardware, dissolved.

Portland, Me.—King & Dexter, Hardware, now King & Dexter Co.

Reading, Pa.—A W. Goodrich, of Clearfield Spring, Md., has purchased the business of Bicker Bros., Hardware dealers. No. 831 Penn Street, and taken charge.

Republic, Kan.—Baxter & Fisher, Hardware, reported dissolved partnership.

Richford, Vt —W. Ladd, of Enosburg, has moved to town and entered into partnership with H. C. Ayer in the Hardware business.

Salem, Va. — Wylie & Thomas, Hardware, succeeded by James & Wylie.

Seattle, Wash. — Cahn & Cahn, Hardware, Yesler Avenue, dissolved partnership, and selling out stock.

St. Paul, Minn.—Two Le Sueur Hardware merchants, J. R. S. Cosgrove and W. H. Tomlinson, have bought the stock of W. C. Snow, who will retire from the Hardware business.

Toulon, Ill.—Rhodes & Mason, Hardware, etc., sold out stock to J. M. Morris and Burge Newcomer, who will continue the business.

Trenton, N. J.—Grover & Nevins, Hardware, etc., dissolved; F. R. Nevins succeeds.

Wardsboro, Vt.—E. F. Johnson has moved his Hardware business from the Union Hall building to a new place lately purchased by him.

Weatherby, Mo.—Brown & Channell, Hardware, succeeded by C. R. Brown.

Weatherby, Mo. — G. E. Dice, Hardware, harness, boots and shoes; sold harness business.

Record of Improvements.

Blaine, Me.—F. L. Lowell is enlarging his Hardware store to meet the demands of his growing trade.

Bloomington, Ill. — George Champion has moved his stock of Hardware into his new store.

Bloomsburg, Pa.—The Hardware store of S. F. Peacock & Co., in their new building, corner Market and Second Street, is now in good shape.

Decatur, Ill.—F. B. Sells has moved his stock of Hardware to the Noble block.

Fargo, N. D.—Hance Bros. are moving their stock of Hardware from their present store to the old deLendrecie store, on Front Street.

Galeton, Pa.—Kies, Eimer & Co. are erecting a new Hardware store.

Hemlock, Ind.—Ingles & Scott have the building for their Hardware stock nearly enclosed and are pushing the work as fast as the weather will permit.

Hiawatha, Kan —W. H. Kendall has bought the Ed. Hoye and J. D. Blair lots and will build a two story brick Hardware store.

Janesville, Wis.—A. H. Sheldon & Co., Hardware merchants, have leased stores in the Lappin block, and will take immediate possession.

Kokomo, Ind.—Ellis, Armstrong & Simmons are about to construct a two-story brick addition to their store, which will be used for their new stock.

Lawrence, N. Y.—The foundation for the new Hardware store of J. A. Wood & Sons, on Mill Street, has been laid and the new building will shortly be started.

Madrid, Iowa.—Mr. Hatfield is erecting a new Hardware store.

Montrose, Iowa.—Mr. Andrews has bought the old M. E. Church and is having it moved onto Main Street. He will build an addition to it and use it as a Hardware store.

Nevada, Mo. — Bascom & Co. have moved their Hardware store into their building on the north side.

Peoria, Ill.—The Ehlen building, South Adams Street, is up to the first story. This will be a two-story brick to be used by Mr. Ehlen as a Hardware store. It will cost about $6000.

Reading, Pa.—Bright & Lerch, who expect to erect a large new building for their Hardware store, Nos 504-506 Penn Street, next year, will give out the contract early next month.

Ripley, N. Y.—L. Bennett & Son have moved their Hardware goods into their new store on Main Street.

Springfield, Ill. — Watson & Grospitz, who have been engaged in the Hardware business at No. 414 Washington Street for the past two years, will remove to No. 421 Monroe Street.

Vandalia, Ill.—C. E. Snell, Hardware, stoves, etc., has removed into larger quarters in the Dieckmann House block.

Wheeling, W. Va.—Louis Driehorst, a Hardware and tin dealer doing business on South Jacob Street, has decided to put up a new building, and he has arranged to erect a very creditable frame structure, work on which will be commenced in a short time.

Windsor Locks, Conn.—F. S. Bidwell's Hardware store is undergoing changes. The front has been taken out, large plate glass windows will be put in and a new doorway. There will be some interior alterations also.

Winfield, Iowa.—J. C. Cunningham is moving into his large new Hardware store.

Wrightsville, Pa.—The new addition of the Wrightsville Hardware Co. is rapidly nearing completion.

Business Embarrassments.

Columbus, Ga.—J. R. Dooner & Co., dealers in Hardware, have assigned.

Hillsboro, Tex.—J. W. Orand, dealer in Hardware, has assigned to W. T. Henick. Liabilities, $20 789.

Holland, Va.—Thomas E. Porter, Hardware merchant, has assigned to R. H. Rawles. Liabilities, $1700.

Logan, Ohio. — Jacob Schwartz, Hardware dealer, has assigned.

Nashville, Tenn.—J. T. Williams, Hardware, assigned to Nashville Trust Co. Stock valued at $2500.

Prospect, Ohio.—Amos C. Mounts, dealer in Hardware, has assigned to Evan Hughes.

Selma, Ala.—C. Young & Bro., dealers in Hardware, have assigned to A. D. Pitts.

Wilmington, N. C. — Giles & Murchison, Hardware merchants, have assigned, with Norwood Giles as assignee.

Burglaries in Hardware Stores.

Armourdale, Mo.—M. F. Foster, cutlery.
Covington, Ky.—Wm. Marz, revolvers.
Davenport, Iowa.—Louis Hanssen, $100.
Mansfield, Ohio.—George Bridenstein, $100
Minneapolis, Minn.—Janney Bros., cutlery.
Morrellville, Pa.—Barron & Walters, $40.
New Kensington, Pa.—J. S. McKean, $75.
Olathe, Kan.—Keefer Bros., revolvers.
Salisbury, Md.—L. W. Gunby, $100.
Shelbyville, Ind.—Bishop & Pearson, $75.
Sulphur Springs, Ohio.—Robertson & Seerbe, $15.

Fires in Hardware Stores.

Austin, Tex. — August Fan, Hardware, destroyed by fire; insured for $3500.

Halifax, N. Y.—A. J. Grant & Co., Hardware, destroyed by fire to the extent of $25,000; fully insured.

Tarrytown, N. Y. — Martin, Bing & Co., Hardware, destroyed by fire.

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BUY DIRECT

from us, if you want a bicycle "Built for Business" and sold at a legitimate profit. We want the best trade or none. We want dealers that will buy

FROM THE MAKER

in large or small quantities, with your name or ours. We are not ashamed of our productions. Any responsible dealer who orders a sample **New Clipper,** and does not consider it worth the price we ask may return it

AT OUR EXPENSE.

New Clippers

Are Built to create Business.
Are Built to Please Business men
Who Buy for Business,
Ride for Business,
Sell for Business, and
Who are in Business for Business.

Grand Rapids Cycle Co.,

I Street,
Grand Rapids, Mich.



The Best to Buy,
The Best to Sell,
And the Best to Use,

—:IS:—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.

WRITE FOR CIRCULARS AND PRICES.

STAR MANUFACTURING CO., CANTON, OHIO.



The

Frictionless Falcon Wins

With

Big Ball Bearings



Little Ball Bearings

15 BALLS MEAN **75** POINTS OF CONTACT

9 BALLS MEAN ONLY **45** POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

IT IS KNOWN THAT THE

Popular and Profitable Bicycle Agency to Secure

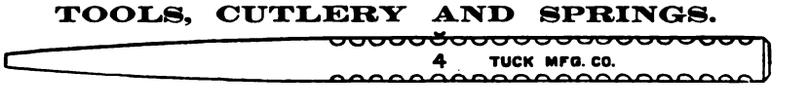
—IS—

THE FALCON.

8 Distinct Patterns.
Leaders in
Special Mechanical Features.
Write for our Photographic Description of the
"GOLD CRANK FALCONS."

Yost Mfg. Co., Yost Station, Toledo, Ohio.

TUCK MFG. CO., ESTABLISHED 1832. **BROCKTON, MASS.**
TOOLS, CUTLERY AND SPRINGS.



The popular Corrugated nail sets are made in five sizes with Round, Square or Hollow Points.

Send for Tool Catalogue.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 POUNDS



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED** line 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

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WILHELM BICYCLES.

The highest quality attainable in Bicycle construction. We use the best and highest priced material adapted to this purpose. Our workmen in every department are skilled mechanics, our new factories are fitted up with all the latest improved machinery and many labor saving devices of our own invention not found in any other manufacturing concern, and we are prepared to furnish you, at a moderate price, a wheel equal to any made in the world. See the WILHELM before buying. Catalogue free.

W. H. WILHELM & CO.,

Manufacturers, Hamburg, Pa.

GENERAL REPRESENTATIVES:

THE GEO. WORTHINGTON CO., Cleveland, O., Ohio, Indiana, Michigan and Western New York.

E. P. CHESBRO & CO., Willimantic, Conn., Connecticut, Massachusetts, Vermont, Rhode Island and New Hampshire.

PACKER CYCLE CO., Reading, Pa., Pennsylvania, Maryland, Delaware, and New Jersey.

F. B. PARSHLEY, York Beach, Me., Maine.

C. R. JORDAN, Santa Barbara, Cal., California.

KANSAS CITY BICYCLE CO., Kansas City, Mo., Kansas and Missouri.

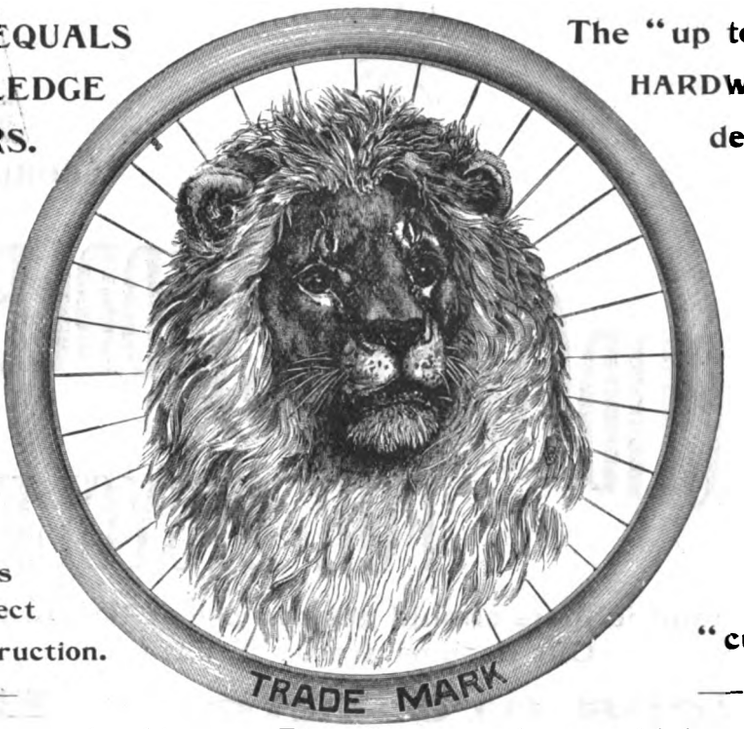
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THE MONARCH BICYCLES

HAVE FEW EQUALS and ACKNOWLEDGE NO SUPERIORS.

Look up our Special features for 1895.

They are the Grandest devices possible to a perfect construction.



The "up to date" HARDWARE DEALER desiring an Agency for 1895 should talk quick before his enterprising neighbor "cuts him out."

1895 will prove the biggest Bicycle year the world has ever seen.

FACTORY: Lake & Halsted Streets, Chicago.

MONARCH CYCLE CO.,

Eastern Branch: C. F. GUYON COMPANY, Ltd., Managers, 97 & 99 Reade St., N. Y.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

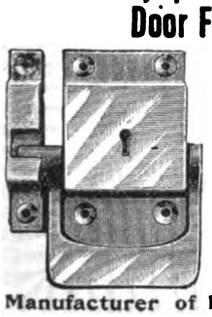
EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 20 and 23 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 26 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

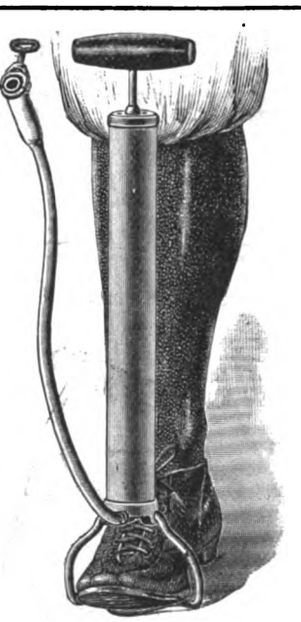
The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY, PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.



Heath's Ball Valve Pump and Patented Universal Coupling.

Attached to any Pneumatic Tire easily and quickly. Always ready. The most prolific producer of high grade wind and the best instrument for placing said wind where it will do the most good. It is guaranteed not to blister your hands nor propogate big swear words during the operation.

ONE USER SAYS:

"Heath's Pump saves time, temper, backache, sore fingers, sore arms, patience, perspiration, soft tires, clothing. Adds pleasure and convenience."

RETAIL PRICE $2.00.

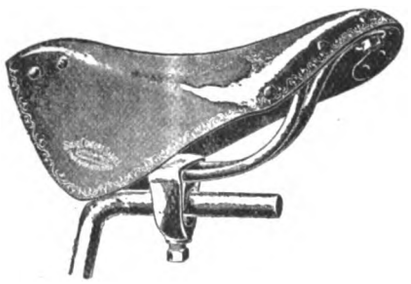
—LIBERAL DISCOUNT TO THE TRADE.—

ELECTROS FREE FOR CATALOGUE PURPOSES.

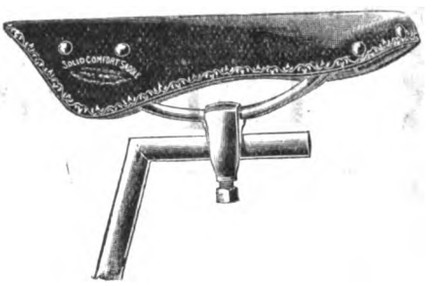
—Sole Manufacturers,—

S. F. HEATH CYCLE CO., Minneapolis, Minn.

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RACER, MODEL A, No. 2.
15 Ounces.



SCORCHER, MODEL M.
17¼ Ounces.

TWELVE NEW STYLES FOR 1895.

"SOLID COMFORT" SADDLES FOR BICYCLES.

DESIGN AND FINISH ARE UNSURPASSED.

Manufacturers and jobbers should get our prices before placing orders.
Our designs are up to date.

Our Prices are "Rock Bottom."

Curtis-Child Manufacturing Co.,

Send for new list.

PHILADELPHIA, PA.

GET IN LINE

FOR 1895

HELICAL TUBE PREMIERS

will be, as heretofore, distinct leaders, retaining their excellent qualities for

Lightness,
Speed,
Srength
and
Durability.



Also Many
Valuable
Improvements
for the
Coming Season.

American-built throughout. Price, $100.

Send in your name to add to our mailing list.

PREMIER CYCLE CO., - 34, 36 and 38 Watts Street, New York.

Apply for 1895 Agency and mention "HARDWARE."

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The *Puritan* is the best bicycle that time and study combined with practical experience can produce.

—MADE BY—

O. J. FAXON & CO., 3, 5, 7 Appleton St., Boston.

Send for Catalogue.



Profitable to the Dealer, Indispensable to the Machinist and Engineer.

It is an absolutely pure, foliated, water-dressed and air-floated American graphite, from our own mines at Ticonderoga, N. Y. It has unrivaled smoothness and endurance. It is entirely inert, and not affected by heat, cold, steam, acid, or any known chemical. It largely increases the lubricating value of oils and greases. It may be mixed in water, oil or grease, or used dry.

Jos. Dixon Crucible Co., Jersey City, N. J.

A Satisfied Customer The Best Endorsement.

Utley, Wis., Nov. 21st, 1894.

Geuder & Paeschke Mfg. Co.,
Milwaukee, Wis.

Gentlemen:

The Cream City Flour Bin and Sifter is duly tested, and I am pleased. I can assure you it gives the utmost satisfaction. Having previously tried one of another make, which proved entirely inadequate for the use for which it was designed, I am better able to appreciate the merits of yours. I would not be without it.

Respectfully,
Mrs. J. D. Sherwood.

Do You See the Point?

Geuder & Paeschke Mfg. Co.,

Sole Manufacturers,
St. Paul Ave. and 15th Street,
MILWAUKEE, WIS.

Central Stamping Co.,
23 & 25 Cliff St., New York.
Eastern Agents.

SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

ANDRAE CYCLES

SHOW:

INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE
MILWAUKEE, WIS. U.S.A.

"HARDWARE" has a field of its own.

That's Why

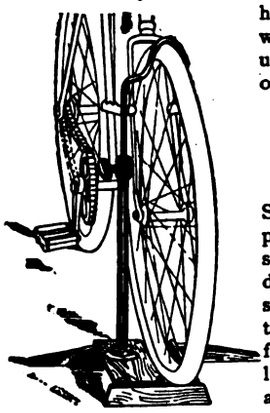
Advertisers get results.

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The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

WM. M. JUSTICE & CO.,

PITTSBURG, PA.

Liberal Discount to the Trade.

WIRE GOODS.

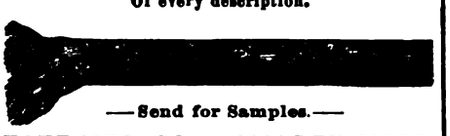
WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.

Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

Braided Cord

Of every description.



—Send for Samples.—

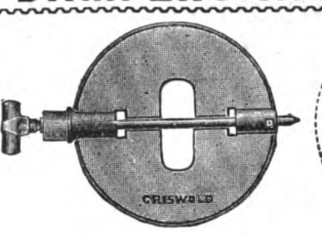
TATE MFG. CO., MALDEN, MASS.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.



Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.



Wood or Nickel Handle.
Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.

JUST OUT
BEST CLIP MADE.
Send for Samples.

Griswold Mfg. Co.,
Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

ADAPTED FOR SALE IN HARDWARE STORES



Send for CATALOGUE and mention "HARDWARE."

ANNUNCIATORS. BELLS. BATTERIES.
AND ALL SUPPLIES FOR HOUSE WORK.
CATALOGUES AND QUOTATIONS ON APPLICATION.
PARTRICK & CARTER CO. No 125 So Second St.
MANUFACTURERS PHILADELPHIA.
ESTABLISHED 1867.

EVERY OWNER OF A HOUSE

ought to know about the "Salem" hanger. A DOZEN TENANTS can hang a DOZEN DIFFERENT WIDTH shades and not use a screw. A HOUSE TEN YEARS OLD with the "Salem" on the casing will not have one damaging screw hole, where a house without it will show HUNDREDS. The hardware trade gladly supplied with samples and prices.



The W. A. South Co., Salem, Mass.

An Advertisement

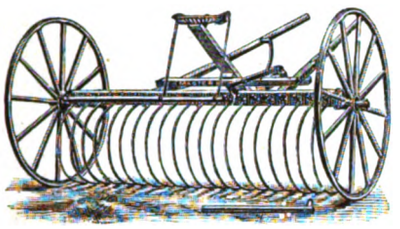
If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

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THE H. P. DEUSCHER CO.,

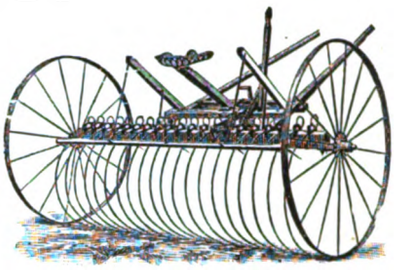
Hamilton, Ohio.



MASTER RAKE.



McCOLM SOIL PULVERIZER.

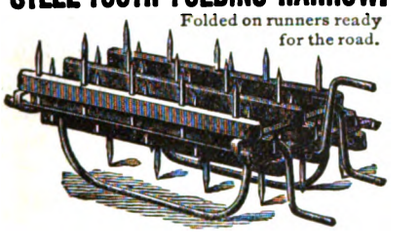


LONE STAR RAKE.

"The Hamilton" Triple Section

STEEL TOOTH FOLDING HARROW.

Folded on runners ready for the road.

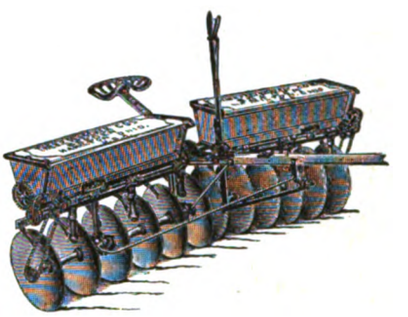


3 SECTION FOLDING HARROW.

We know you will be satisfied as all are who use the Implements purchased from us.



FAVORITE CHURN. Sizes from 2 to 5 Gallons

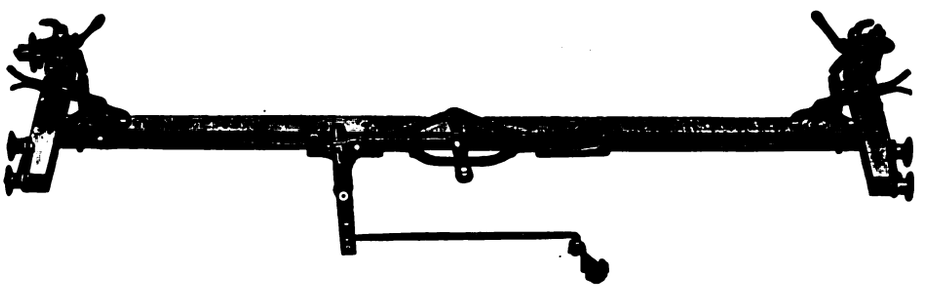


STEEL FRAME DISK HARROW

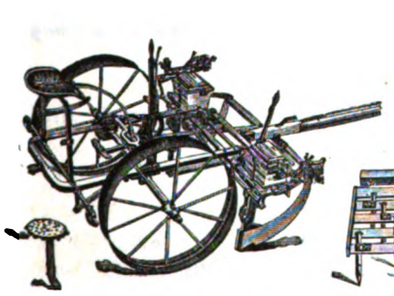
With Seeder Attachment, with either 16 or 20 inch disks.

Write for Catalogue.

We will be pleased to quote prices

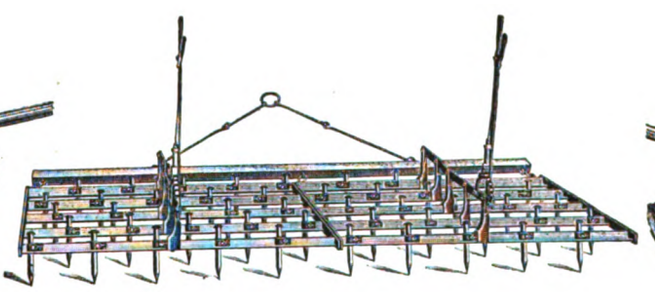


UNIVERSAL CHECK ROWER. Can be attached to any Standard Planter.



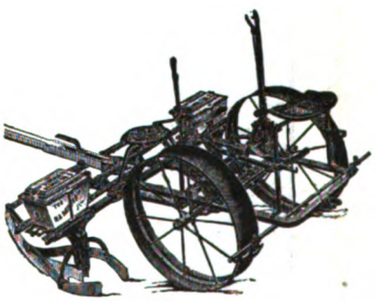
COMBINED STEEL FRAME PLANTER.

Not a drill but a full hill drop and the best made.



STEEL LEVER HARROW.

Fifty ⅝ in. Steel Teeth; width of cut 8 feet. Also with 60 ½ in. teeth; width of cut 10 ft.



HAMILTON PLANTER.

Wood or Steel frame. The only one made with Adjustable Axle, with the Best Clod Fenders and Covering Hoes.

The Layman Pneumatic Sporting Boat





Is just what every sportsman wants. A lighter, safer and more convenient boat than was ever before on the market. Weighs but 20 pounds. Is easily collapsed and folded into a small package, and you may carry three or four of them under the seat of a buggy. Is absolutely safe in any waters. Is propelled by the feet, thus leaving the hands free to use gun or rod. Is made in four compartments of the best rubber duck cloth; has loops for erecting a blind to shield you from the game; is quickly inflated, and in every way a success. Weight about 15 pounds.

A. G. SPALDING & BROS.,

126, 128 & 130 Nassau Street, - New York.

WOOD MANTELS.



TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

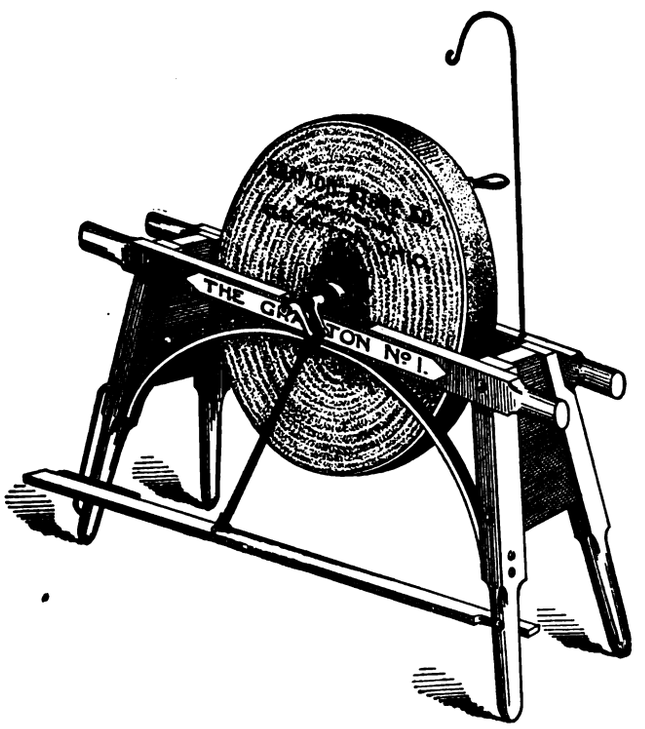
and they will soon melt under it like rock salt.

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The Two Factors



that determine value as a quick seller are



In short,
The Grafton Mounted Grindstone is "well hung."

a. Quality.

The Grafton Grindstone is exceptionally sharp and quick-cutting and will not glaze. The frame is strong, well-built and well-seasoned. The castings are of malleable iron.

b. Appearance.

The Grafton Grindstone frame is well proportioned, well finished, and well painted with a bright, attractive, glossy red.

SEND FOR CATALOGUE AND PRICES ON MOUNTED STONE AND SCYTHE STONES.

Grafton Stone Company,

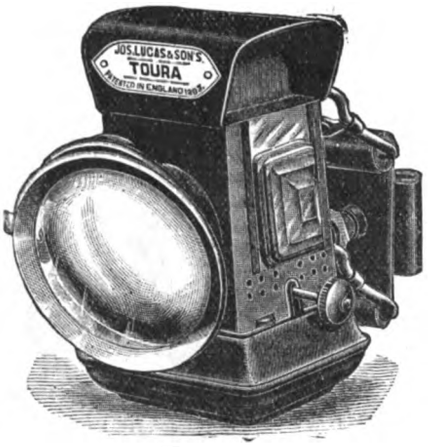
220 River Street, Grafton, Ohio.

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Lucas Lamps for 1895

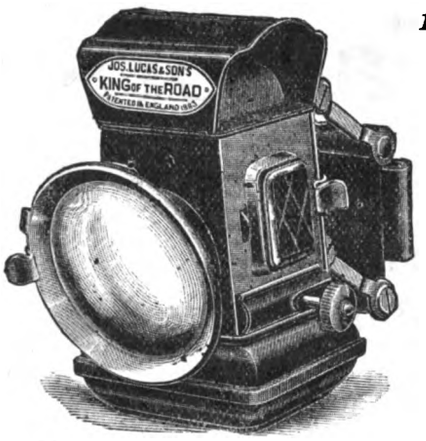
Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.

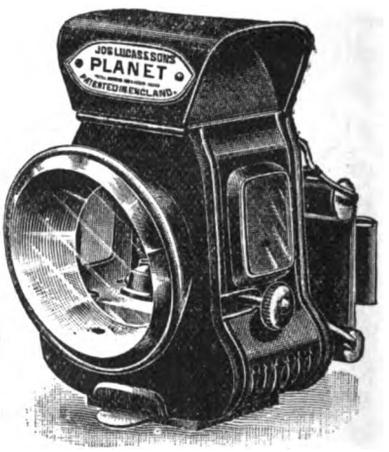


Toura.

RECOGNIZED by the trade AS the BEST.



King of the Road, 000.



Planet.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

DRESDEN:
33 Werder Strasse.

LEONARD VIENNA AUSTRIA

1790 1890 VIENNA CHINA

LIMOGES:
46 Route de Paris.

LEONARD VIENNA AUSTRIA

P. H. LEONARD,

—Manufacturer and Importer—

VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
76 & 78 READE ST., NEW YORK.

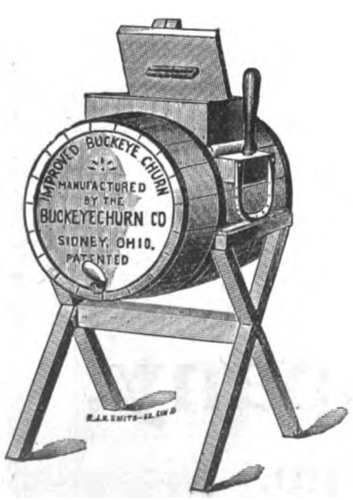
ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER.



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

MOORE & CO., 64 Reade St., New York,



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,
Sidney, Ohio.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.

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Important Announcement.

TO OUR PATRONS AND THE TRADE GENERALLY:

Our new Catalogue for 1895 will be ready for distribution within a few weeks. We take this means of announcing in advance of its publication, that we have very carefully studied the requirements of the trade in every particular, and that our lines will be complete. We will place on the market specialties in entirely new goods that will commend themselves both by reason of popular prices and their many attractive and desirable features. In addition to new and popular lines, we will have something entirely new in the line of our very popular Oilgas Cook Stoves, containing our new burners that are giving such perfect satisfaction. Write for further information and prices.

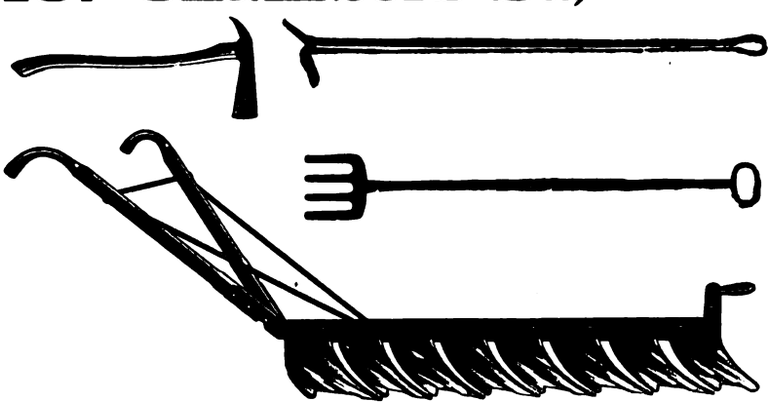
Central Oilgas Stove Co.,

Boston, New York, Chicago, San Francisco.

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware & Agricultural Implements.

Send for Price Lists.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.

SICKELS, SWEET & LYON,

WHOLESALE HARDWARE,

35 Barclay Street, AND 40 Park Place,

NEW YORK.

SELLING AGENTS FOR

WINSLOW SKATE CO.,

EAGLE FILE CO.,

UNION STEEL SCREW CO.





PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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Before you buy a

REFRIGERATOR

Examine its selling points.



See if it has movable flues for cleanliness. Be sure it has airtight locks. Get a kind where the Ice Rack is all metal. Don't buy any with slimsy tin or wire shelves. The trimmings should be real BRONZE, not iron, bronze plated. The walls should be packed solid with charcoal, and extra insulattion, such as water proof sheathing and wool felt, should also be added. The designs should be new and the finish up to date. Such an one is the

Leonard Cleanable Refrigerator.

A perpetual circulation of Dry, Cold Air keeps the food from becoming moist or musty. The interior construction returns water from accidental leakage to the waste pipe and insures its durability. The above advantages together with

THE LOWEST PRICES EVER KNOWN

Should secure your trade. Write for Catalogue. Our advertising methods for the coming season are unique and will bring you trade.

SECURE THE AGENCY.

We have the largest Refrigerator factory in the world.

GRAND RAPIDS REFRIGERATOR CO.,

Grand Rapids, Mich.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

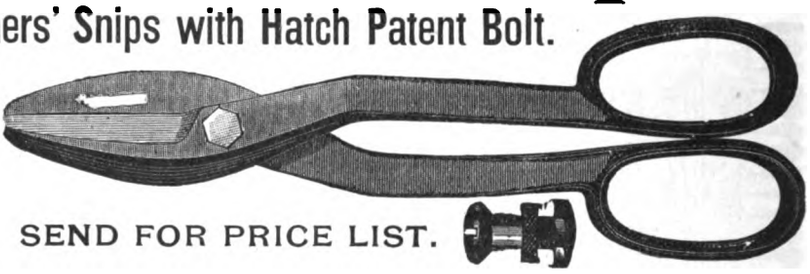


Hatch's Champion

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

Tinners' Snips with Hatch Patent Bolt.

THE BEST SNIP IN THE MARKET.

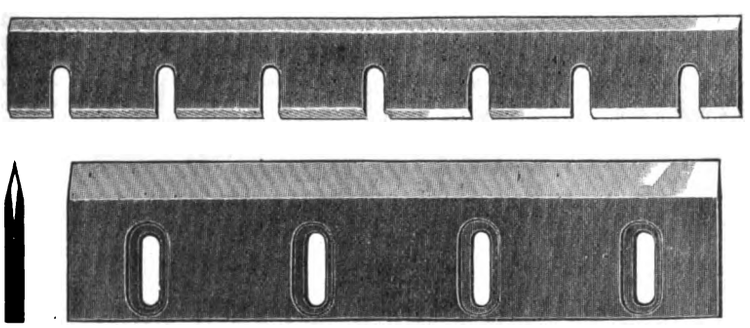


SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
Buchanan, Mich.

97 Chambers St., New York.

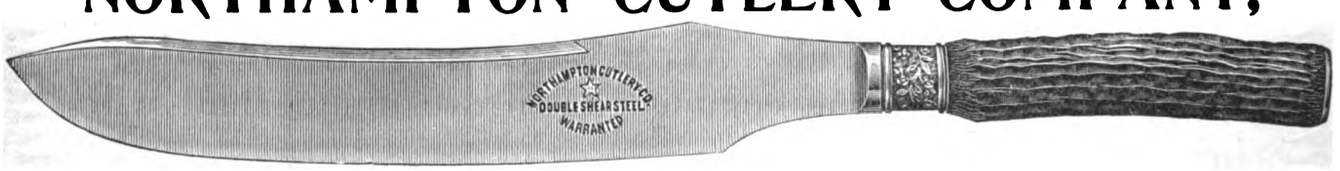


PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York.

Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.





This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.

CAUTION

TO ALL PURCHASERS OF THE

WELL KNOWN **HEINISCH** - BRAND OF -

Shears, Trimmers, Scissors, Tinners' Snips, &c.

ALL GOODS OF OUR MANUFACTURE ARE STAMPED

R. HEINISCH
NEWARK, N.J.

- OR -

R. HEINISCH
NEWARK, N.J.
U.S.A.

NO OTHERS ARE GENUINE.

NEW YORK OFFICE AND SALESROOM,
90 CHAMBERS ST.

R. HEINISCH'S SONS CO,
NEWARK, N. J., U.S.A.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

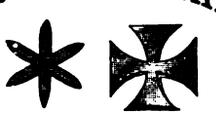
HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their B SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND B OR  OR B SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK, 

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

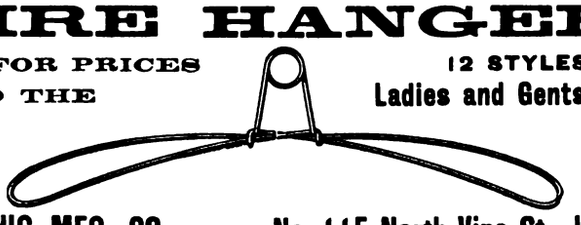
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO., No. 115 North Vine St., Hazleton, Pa.

THE KEENEDGE SKATE GRINDER AND SKATE HOLDER.

SKATE GRINDING MACHINERY

Special Discount to the Trade.

Write for prices and circular to

CHARLES PERKINS, Bridgewater, Mass.

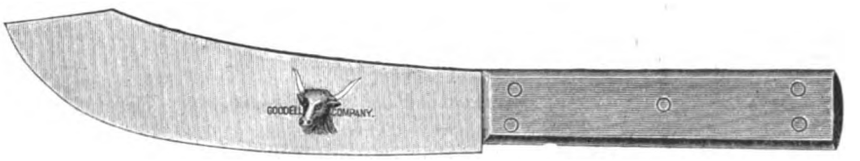
If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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OUR STEER HEAD BRAND

of Butcher Knives are made of the **Best Double Shear Steel** obtainable. The greatest care is exercised in every branch of their manufacture and every knife severely tested before leaving our factory.



They are made in sizes from 6 to 14 in. and are especially designed for butchers or others who want the best knife made, who know a good knife when they use it and are willing to pay a fair price for a knife that suits them.

Dealers are authorized to sell these knives with the understanding that if after a **fair trial** purchaser is not satisfied it is the best knife made anywhere he shall bring it back and get his money.

Necessarily such a knife sells at a high price, but it is the cheapest in the end, and there is a good profit to dealer.

GOODELL COMPANY, - ANTRIM, N. H.

Marten Doscher,

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.



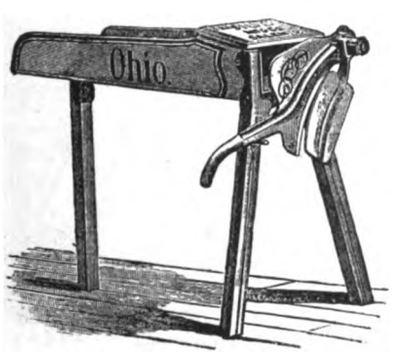
Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



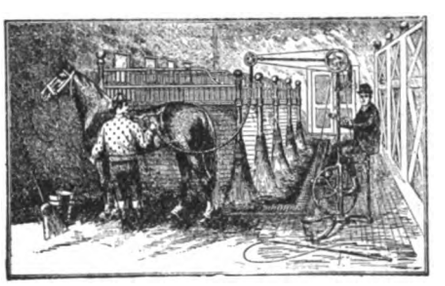
SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.



BICYCLE CLIPPER.

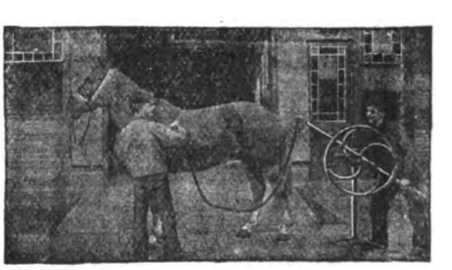
HEADQUARTERS FOR

Horse Clipping Machines.

Greatest Variety of Power-Horse Clipping Machines in the World.



Poke Clipping Machine, Operated by any Kind of Power.



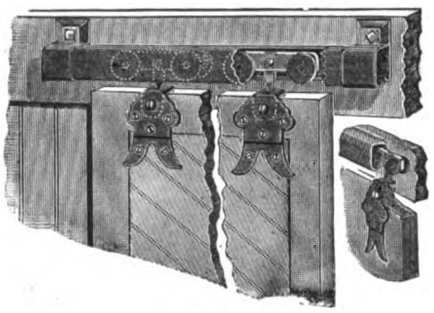
Gillette's Celebrated Hand Power Machine.

Over 2,700 in use—over 200 in New York City in constant operation. Introduced in the leading Horse Car Stables, Express Companies, Breweries, Dry Goods Houses, Etc., in the United States and foreign co ntries. Send for Catalogue illustrating our Machines, prices, Etc.

Gillette Clipping Machine Co., 201 East 23d Street, NEW YORK.

First Prize—Highest Medal of Award—World's Fair Chicago, 1893.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





You can get everything in the line of Sheet Metal Goods from us.

PRICES WAY DOWN.

STEEL ROOFING

Corrugated Iron,

Galvanized Steel Eave Trough,
Corrugated Expanding Conductor,
Galvanized Cornice,
Ornamental Crestings, Finials, Etc.

Down! Down! go Prices. WRITE US QUICK.

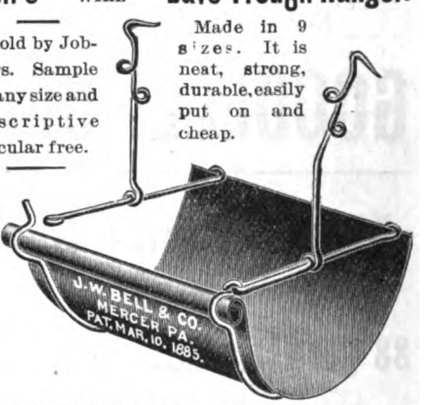
J. H. Eller & Co.,

Office, 86 E. Fifth St. Canton, Ohio.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

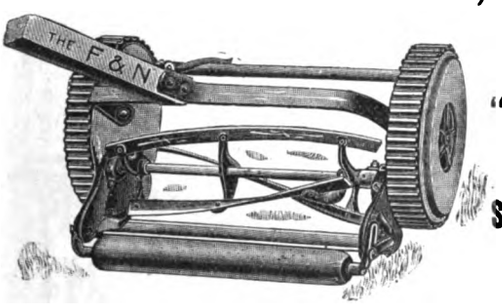
CHAS. A. CONKLIN MANUFACTURING CO.,
General Southern Agents, Atlanta, Ga.



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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micromotor Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

OUR LINE OF

Post-Hole Diggers

Comprises (6) of the Best known styles on the market.

PRICES GREATLY REDUCED.

LAWN RAKES,
GARDEN RAKES,
GARDEN WEEDERS,
LAWN SPRINKLERS,
POST-HOLE DIGGERS,
CURRY COMBS,
PRUNING SHEARS,
CAN OPENERS, &c.



GIBBS MFG. CO.,
Canton, Ohio, U S. A.



LEVELING & SQUARING INSTRUMENT.



SEND FOR PRICES.

C. F. RICHARDSON & SON.
25 MAIN STREET, ATHOL, MASS.
Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL. NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK We solicit correspondence.

HAIGHT & CLARK, - - ALBANY, N. Y.

TUDOR IRON WORKS,

ST. LOUIS.

Manufacturers of

HARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

Send for our Circulars on
LAWN MOWERS,
" SETTEES,
" RAKES,
" SPRINKLERS,
Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5½ Inches Diameter.

LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory,
12 "	14.00	
14 "	15.00	
16 "	16.00	
18 "	17.00	

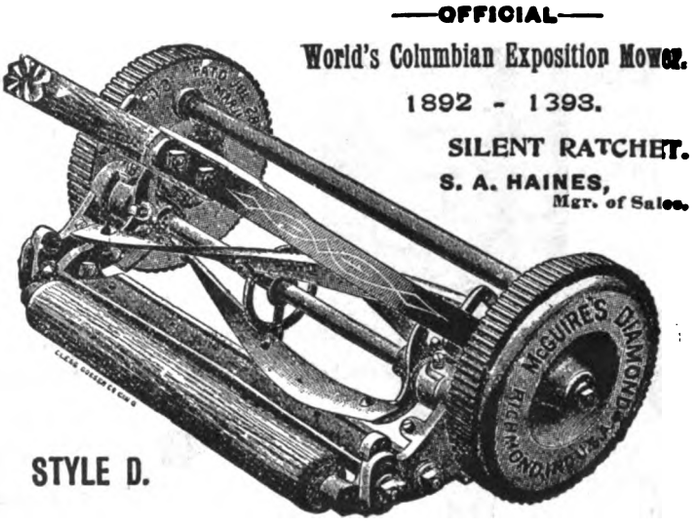
PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.

If you wish a first-class Mower in all respects, one that is fully warranted,

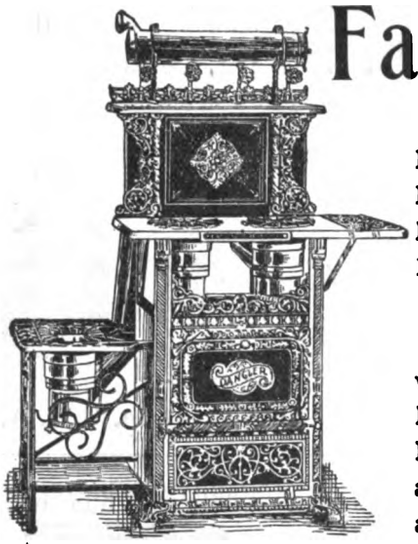
—BUY McGUIRE'S DIAMOND.—

—OFFICIAL—
World's Columbian Exposition Mower.
1892 - 1893.
SILENT RATCHET.
S. A. HAINES,
Mgr. of Sales.

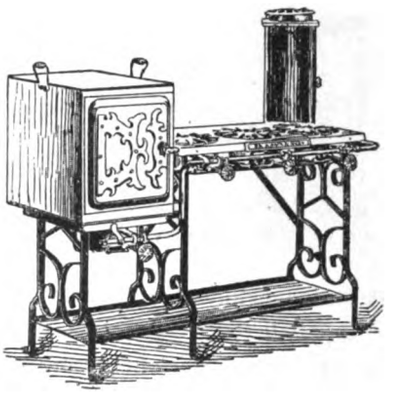


STYLE D.

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Facts of Interest to the Public.



Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

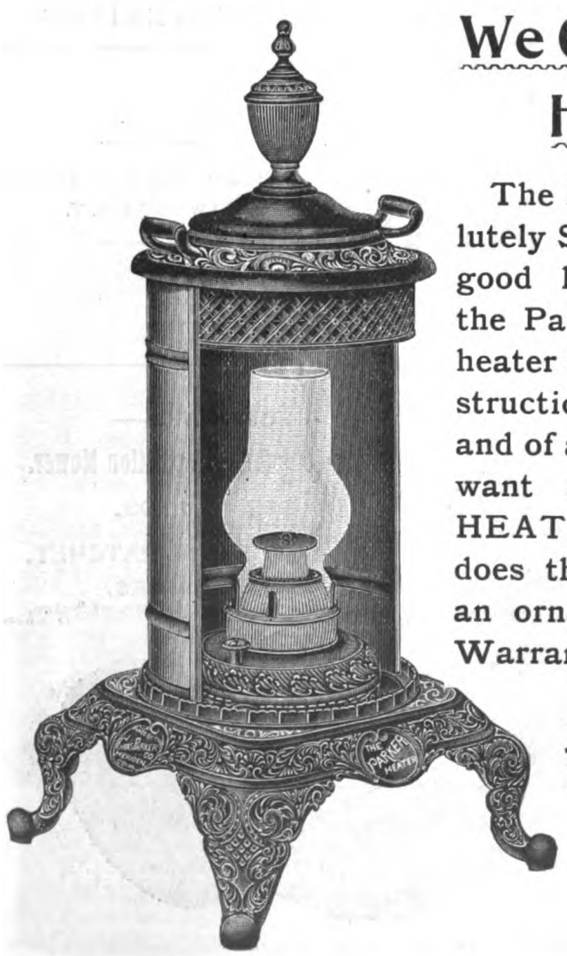
"NEW GEM"

we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

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BARSTOW STOVE CO, No. 228 Water Street, New York, and No. 56 Union Street, Boston, agents for the New England States, New York State and Long Island.
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A. BALDWIN & CO., LTD., New Orleans, agents for Louisiana.
E. H. HUENEFELD, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
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M. F. TALLMAGE, Buffalo, N. Y., agent for Buffalo and Erie Co., N. Y.
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We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

THE CHAS. PARKER CO

MERIDEN, CONN.

New York Salesroom:
97 Chambers St.



—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

STRAP HINGES

OUR PRICE NOW IS

6 in. $2.25
8 in. $2.15 } per 100 lbs. net.
10 in. $2.00

Delivered if not more than 300 miles from Buffalo.

WELL MADE GOODS.

James Mann & Sons, Buffalo, N. Y.

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No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner.
Height, 23½ inches. Spread of Base, 12½ inches. Nickel Finish.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

—MANUFACTURED BY—

EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.



No. 328. No. 3 Lift Burner.
Height, 32 inches. Spread of Feet, 11¾ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

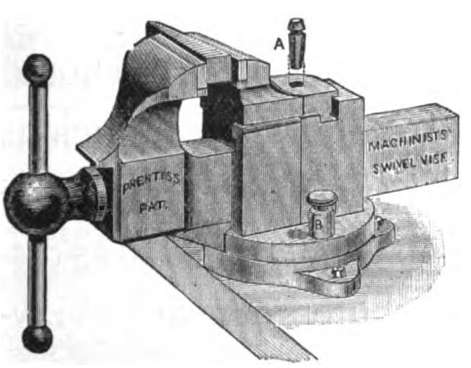
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., } Brooklyn, N. Y.



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

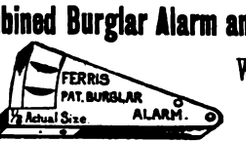
Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

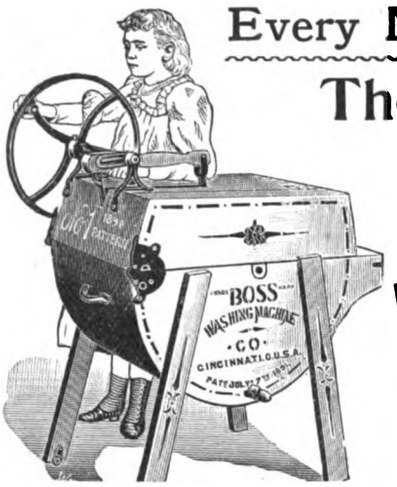
Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

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Every Machine Guaranteed to Give Satisfaction.

The BOSS and ELI...

WASHERS.

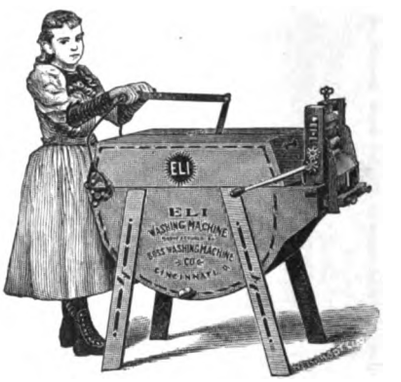
BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

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5,000

Dealers in the United States & Canada sell Houchin's Specialties.

If you do not, send for illustrated Price List.

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POPULAR SPECIALTIES

Consist of Wax Tapers and Torches for Lighting Gas, Alcohol Stoves, 20 Styles, Gas Heaters and curling Iron Heaters, & a great variety of Housekeeping Articles.

B. & W. SKATE SHARPENER.

—BEST SELLING IN THE MARKET.—



Handy to carry, does the best work, is made of malleable iron, full nickeled; the handsomest article of the kind on the market.

By its use the dullest pair of skates can be sharpened in five minutes, by any child old enough to skate.

In use, the side of the Sharpener forms a right angle with the file, making it practically impossible to file anything but a true plane on the skate, or to round the edges. As the file wears, it can be moved its full length on four sides, thus giving a great amount of filing surface. Put up one dozen in a box. Write for price.

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—SELLING AGENT,—
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SHOE NAIL
TACK & NAILS MACHINES.
LATEST IMPROVEMENTS.
WM. A. SWEETSER,
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J. H. Sternbergh & Son, READING, PENNA.

MANUFACTURERS OF

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All of the highest grade of excellence.



WROUGHT WASHERS.

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MACHINE BOLTS.

The Milton Mfg. Co.,

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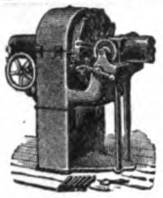




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BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.

STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.



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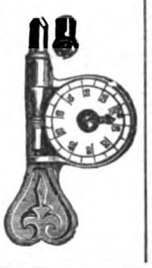
Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—





"AN EGG'S AN EGG"

Said the boor and took the goose egg. By a similar line of reasoning some men cannot distinguish between Nail Pullers—they are all made to pull nails but do they do it? If the boor had been posted would he have chosen the goose egg? If a dealer **TRIES** the

BLACK HAWK

Nail Puller will he choose another kind? We think not. And only $9 a doz. net.

The American Specialty Co.,

Hartford, Conn.



Power Presses, Foot Presses, Screw Presses,

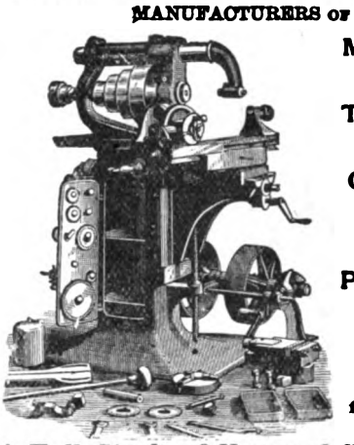
HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY, Waterbury, Connecticut, U. S. A.

THE GARVIN MACHINE CO.,

MANUFACTURERS OF AND DEALERS IN



MILLING MACHINES,
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HAND LATHES,
CUTTER GRINDERS,
DRILL PRESSES,
ENGINE LATHES,
PLANERS, SHAPERS,
POWER PRESSES,
ETC.

SPECIAL MACHINERY for the MANUFACTURE of BICYCLES.

A Full Stock of New and Second-Hand Machinery Always on Hand at our Warerooms

LAIGHT & CANAL STS., - NEW YORK,
and 51 North 7th St., Philadelphia, Pa.

WITH THIS NEW

Garden Cultivator



A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG. CO., ROCK FALLS, ILL.

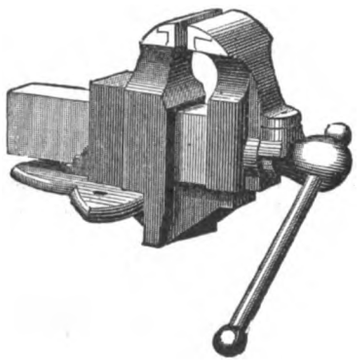
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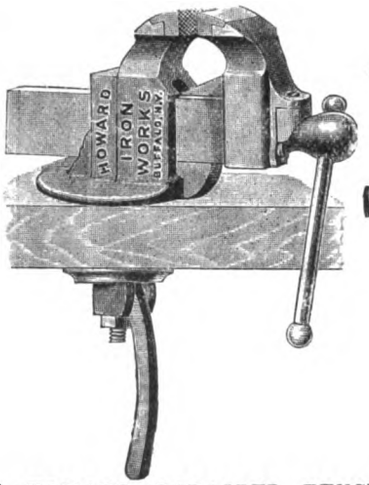
HOWARD IRON WORKS,

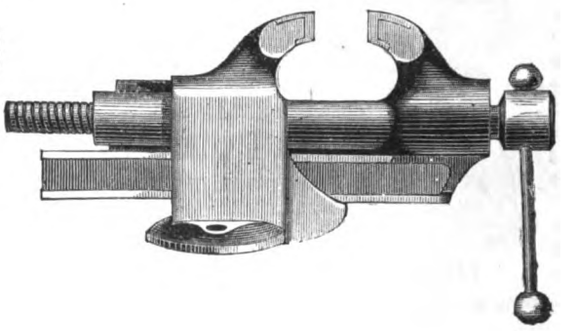
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BENCH VISES.







HOWARD PARALLEL BENCH VISE.
FIXED.

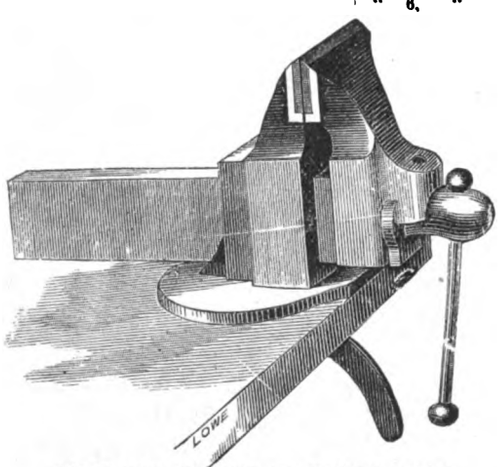
No. 0,	Length of Jaw,	3 in.,	weight,	25½	lbs.	$5.50
" 1,	" "	3½ "	"	31½	"	6.50
" 2,	" "	4 "	"	41	"	8.50
" 3,	" "	4½ "	"	52½	"	10.75
" 4,	" "	5 "	"	93	"	16.00
" 5,	" "	6 "	"	113½	"	23.75
" 6,	" "	7 "	"	184	"	34.50

HOWARD PARALLEL BENCH VISE.
SWIVEL.

No. 00,	Length of Jaw,	2 in.,	weight,	7½	lbs.	$4.00
" 0,	" "	3 "	"	31½	"	6.25
" 1,	" "	3½ "	"	38½	"	8.00
" 2,	" "	4 "	"	48	"	10.00
" 3,	" "	4½ "	"	61	"	13.25
" 4,	" "	5 "	"	104½	"	18.50
" 5,	" "	6 "	"	129	"	26.00
" 6,	" "	7 "	"	194	"	36.00

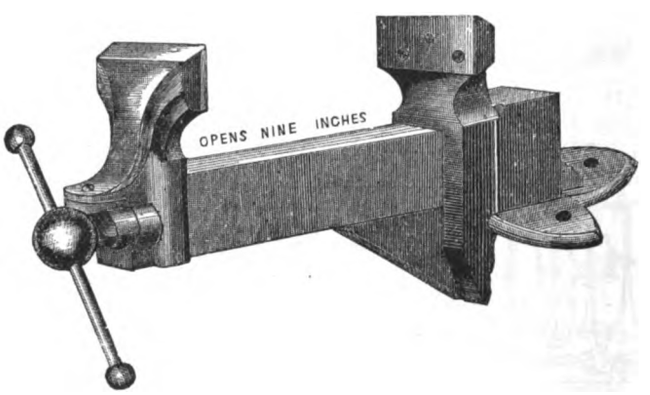
HOWARD PARALLEL BENCH VISE.

		FIXED.	SWIVEL.
No. 20.	2-inch Jaw	$4.00	$4.50
" 25.	2½ "	5.00	5.75
" 30.	3 "	6.25	7.00
" 35.	3½ "	7.00	8.25
" 40.	4 "	9.00	10.75
" 45.	4½ "	11.75	14.00
" 50.	5 "	16.25	19.25
" 55.	5½ "	20.00	23.50



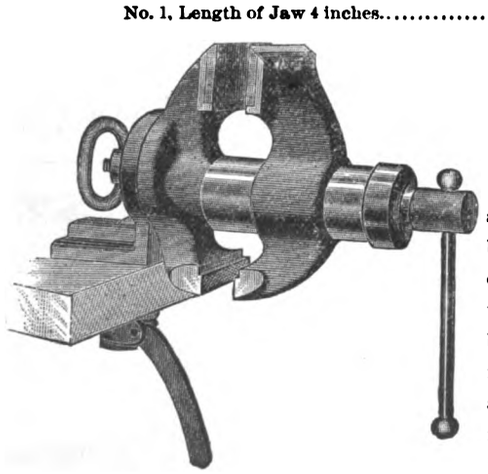
HOWARD COACH MAKER'S VISE.
SWIVEL.

No. 1, Length of Jaw 4 inches.....$12.50



HOWARD COACH MAKER'S VISE.
FIXED.

No. 2, Length of Jaw 4 in., weight 37½ lbs....$10.00



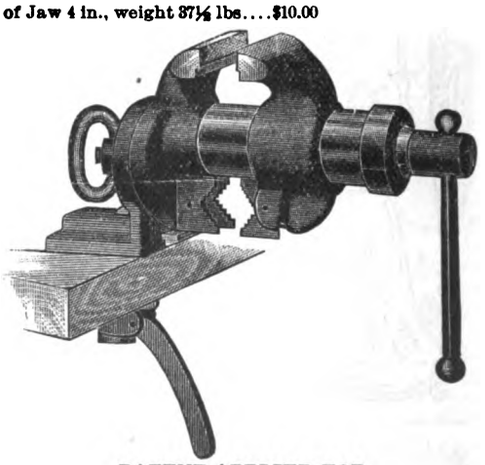
PATENT APPLIED FOR.

UNIVERSAL COMBINATION WHEELRIGHT AND METAL WORKERS' VISE.

Length of Jaw, 4½ in., opens 4¼ in., weight, 88 lbs., $15.00.

UNIVERSAL COMBINATION VISES.

These Vises are very handy mechanical appliances for general use, as they combine two different and separate vises in one. They are made very strong, and will swivel in any direction. The "Combination Pipe and Metal Workers' Vise," for instance, will be found a very useful and practical instrument in every engine room, as the engineer, with the aid of a few pipe tongs and die plates, can, in most cases, do all the small repairing and fitting of pipes, etc., himself.



PATENT APPLIED FOR

UNIVERSAL COMBINATION PIPE AND METAL WORKERS' VISE.

No 102. Length of Jaw, 4½ in., opens 4½ in., and will take from ⅝ in. diameter to 3 in. pipe; weight, 80 lbs.....$15.00

No. 103. 3-in. Jaw, opens 4¼ in., and will take from ⅝ in. to 2 in. diam. pipe, wt., 52 lbs.$12.00

These Vises have been manufactured by us since 1865 and meet with general favor. They are strong and simple. Every Vise Warranted. Liberal discount to the Hardware Trade. Orders solicited.

Howard Iron Works, · Buffalo, N. Y.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

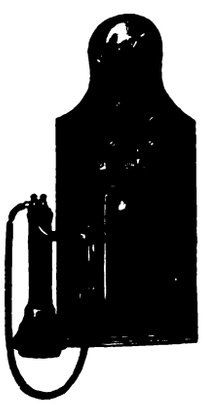
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

Carbon Battery Telephones.



They will talk all day and every day.
Long and Short distance.

SEND FOR PRICE LIST.

DEVEAU & CO.,

34 Frankfort Street, - NEW YORK.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U. S. A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1891.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

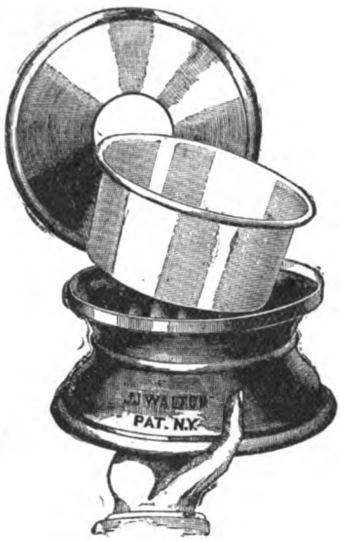
MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

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BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
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The Best and Easiest Cleaned ever made on the market, for Hotels, Bars, Public Buildings, Banks, Offices and Private use.

A TRIAL WILL CONVINCE YOU.

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Office and Factory, 30 Ward St., Near Market St. Depot, Penn. R. R., NEWARK, N. J.

BRUCE & COOK,

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NEW YORK.

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Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lyale Cleat Fixer
Mallets
Malleable Iron



Manee's Bench arking Metal
Metallic Pai.
Milk Can Handle
Milk Can Trimming
Roofing, 5/ and 1 mch
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Crest
Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Copper
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barb
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Board

Truss Bottomed FLAX FIBER Pails

Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him free, express charges prepaid, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

ORMONDS RHEUMATIC REMEDY

CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

ORMONDS M. C. CO.,
51 Dey Street, New York City,

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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NORWALK LOCK CO.,

Manufacturers of

LOCKS AND BUILDERS HARDWARE.

Art Metal Work

for all requirements of

BUILDING DECORATION.

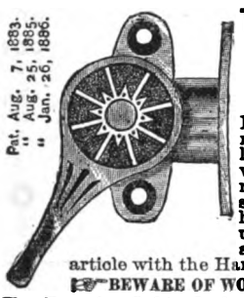
Designs and Estimates Furnished

—AND—

Special Work Solicited from Architects.

SOUTH NORWALK, CONN.
NEW YORK, 82 Chambers Street.
BOSTON, 200 Franklin Street.

BALTIMORE, 25 Hanover Street.
HENRY KEIDEL & CO.
CHICAGO, 544 Unity Building.
FOSTER & DAVISON.



THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞ BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.



Eight Tumblers. Key Turning Both Ways.

Sizes, ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

AMES SWORD CO., Chicopee, Mass.

Send for Catalogue.



"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere.
They are Safest and Best.

WAREHOUSES:

New York, 96 & 98 Reade St.
Philadelphia, 514 Commerce St.
Chicago, 73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



AGENTS $75 A WEEK AT HOME, using or selling **PRACTICAL PLATING DYNAMO.** The modern method, used in all factories to plate new goods. Plates gold, silver, nickel, etc., on watches, jewelry, table-ware, bicycles and all metal goods; fine outfits for agents; different sizes; always ready; no battery; no toy; no experience; no limit to plating needed; a great money maker.

W. P. HARRISON & CO., Clerk No. 15, Columbus, Ohio.

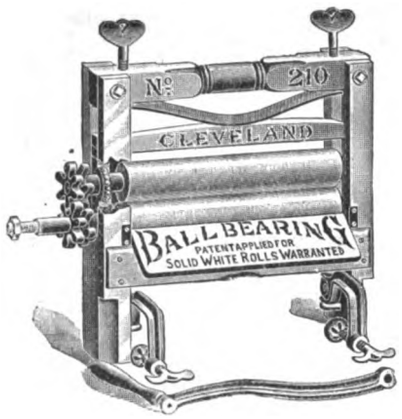
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Manufacturers of

Screwdrivers, Can Openers, &c.
Sheet Metal Punching and Nickel-Plating.



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No More Broken Backs!

THE BALL BEARING

"CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

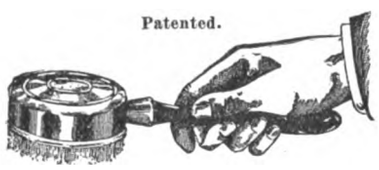
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THE PEERLESS MFG. CO., Cleveland, Ohio.

Also manufacturers of "TRIANGLE" BICYCLES.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Liberal discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

AGENTS WANTED.—Local and State Agents to sell a Patented and Staple Article; "Large Profits."

Address, "BUSINESS,"
Care *American Grocer*,
143 Chambers Street, N. Y

A GREAT LEADER for you is WORTHLY'S PATENT **"SLOW FEED,"**

$1.60, 25-lb. Manger.

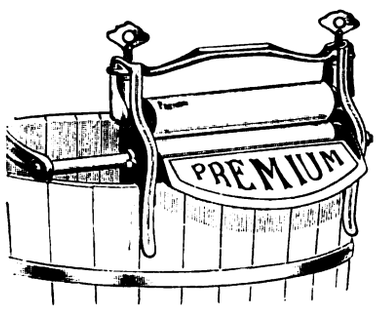
10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



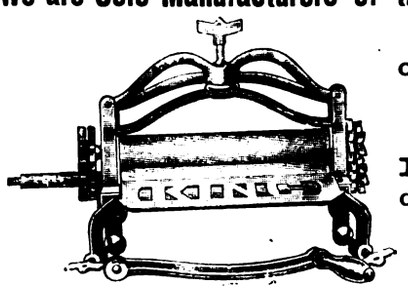
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.

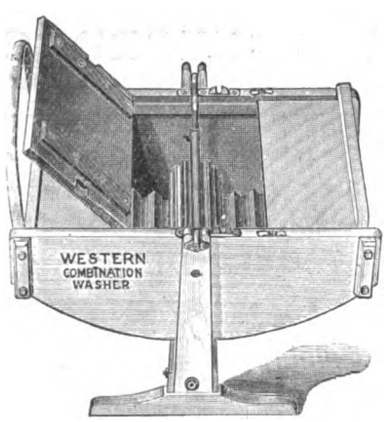


We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

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THE NATIONAL WRINGER CO., Canton, O.
New York Office, 107 Chambers St., John T. Ryan, Mgr.



WESTERN COMBINATION WASHER

Commands the most ready sale and liberal profit. Nothing like it in the market Send for samples on approval. Satisfaction guaranteed. Catalogue and prices mailed on application to the sole makers,

The Horton Mfg. Co.,

Fort Wayne, Ind., U.S.A.

Mention "HARDWARE" when you write.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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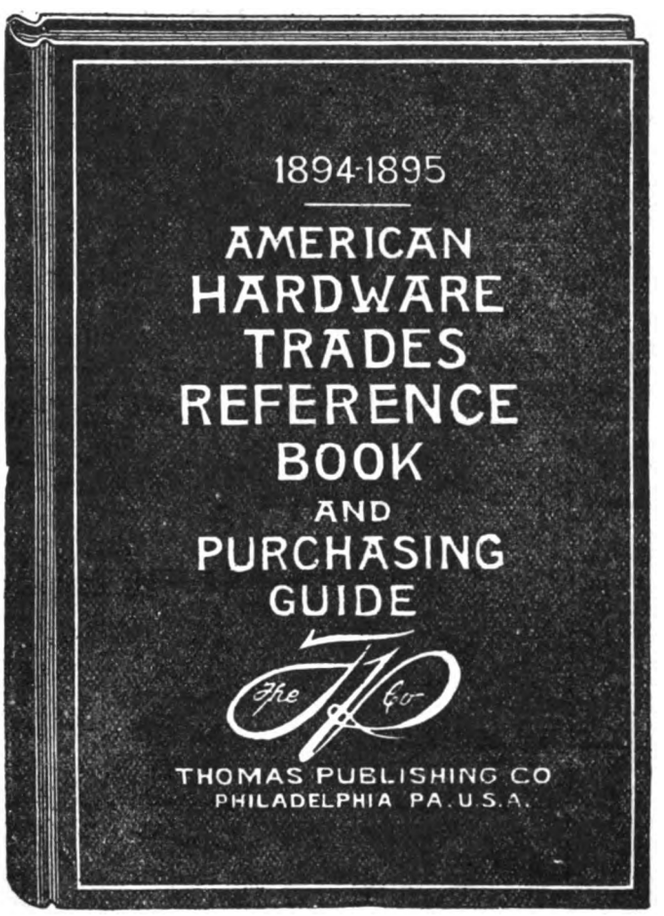
REFERENCE BOOK

FOR HARDWARE DEALERS.

To enable them to purchase to the BEST advantage.

The Names of all the Manufacturers, over 15,000, with the Financial Rating of each, including all in the U. S. & Canada of

HARDWARE of all kinds, IRON & STEEL of every kind, TOOLS of all kinds, HOUSE-FURNISHING GOODS of every description. STOVES, RANGES, HEATERS, and all kinds of



COOKING APPARATUS, and UTENSILS, AGRICULTURAL IMPLEMENTS, MACHINES and TOOLS, of every Description, and all other articles handled by the trade.

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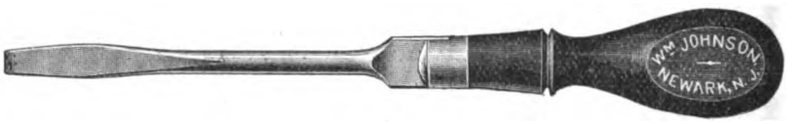
First-Class Screwdrivers in Great Variety.



The call now is for the Best. We can meet the demand. A dozen different kinds. Cheapest to the very Best.

Take no brand but

WILLIAM JOHNSON.



Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Brick, Plastering and other Trowels, Dividers, Conductors' Punches, Revolving and Spring Punches, &c. &c.

If you want good articles, insist on your Jobber sending you William Johnson's Goods.

For Illustrated Catalogue and trade discounts, write to

WILLIAM JOHNSON, Agt., Manufacturer, Hedenberg Works, Newark, N. J.

FRANKLIN BRASS & BRONZE CO.,

111 Chambers Street, New York.

MANUFACTURERS OF

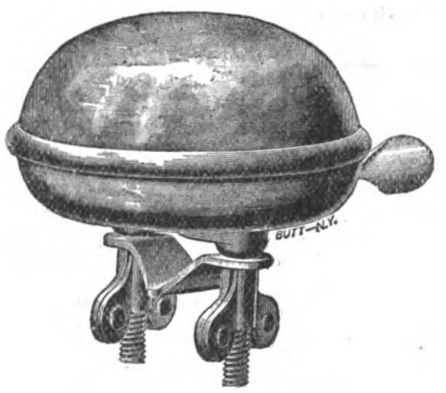
BRASS & BRONZE HARDWARE.



Drawer Pulls,
Shutter Bars,
Hook Sash Lifts,
Flush Sash Lifts,
Push Plates,
Door Pulls,
Plate Escutcheons,
Cabinet Escutcheons,
Box and Chest Corners,
Corner Plates,
Hinge Plates,
Mirror Plates,
Refrigerator Catches,
Padlock Hasps,

Fancy Cabinet Hinges,
Strap Hinges,
Fancy Box Hinges,
Refrigerator Hinges,
Water Closet Seat Hinges,
Fire Screen Hinges,
Shutter Butts,
Loose Pin Butts,
Parliament Butts,
Moulding Hooks,
S Hooks
Stair Buttons,
Door Numbers,
Brackets, Mending Strap

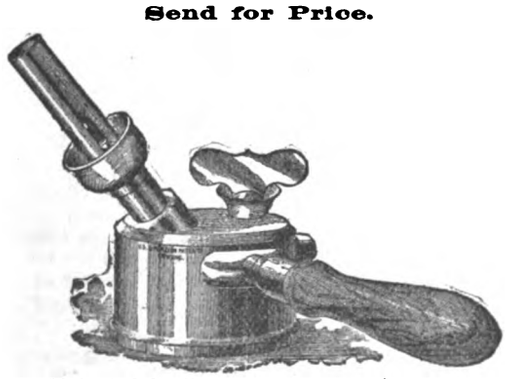
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(Patented Aug. 2, 1894.)

THE "BRIDGEPORT" DOUBLE STROKE BELL.

Send for Price.



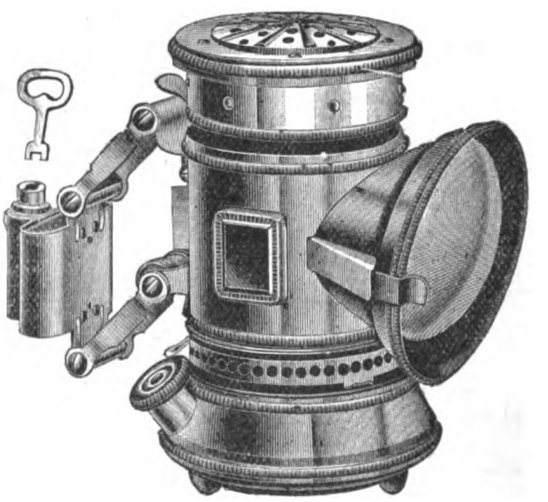
(Patented April 19, 1892, and April 4, 1893.)

Have you seen the "VULCAN" TORCH. $3.50 each.

Indispensable to all Dealers in Supplies.

Bridgeport Brass Co.,

Factories, Bridgeport, Conn.



(Patented May 29, 1894.)

The "SEARCH LIGHT."

The only First-class Bicycle Lamp.

Burns Kerosene.
Will not go out.
Burns 10 hours.

Made entirely of Brass, Nickel-Plated.

Weight, 15 ounces.

19 Murray St., New York.

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AMERICAN WHIP COMPANY,

FACTORY, WESTFIELD, MASS., U. S. A.

CAPACITY, 2,500,000 WHIPS PER ANNUM.

Standard Whalebone, Raw Hide and Java Whips,

In Every Style and at Lowest Prices Consistent with

A 1 Quality of Workmanship and Material.

Most Hardware Dealers Use Whips.

Many Hardware Dealers Sell Them.

Whether you buy to use or to sell, don't lose sight of the fact that the rule which applies to other merchandise applies to whips. There are good whips and bad whips. If you want a poor one you don't have to call for that kind; but if you want to be certain of getting a good one you must know who makes good ones and be able to ask your dealer for their make. You may not be needing a whip to-day, but every whip which bears our name is made right, and as we make about one-fourth of all the whips in the world, you ought not to have much trouble in finding a dealer who sells them.

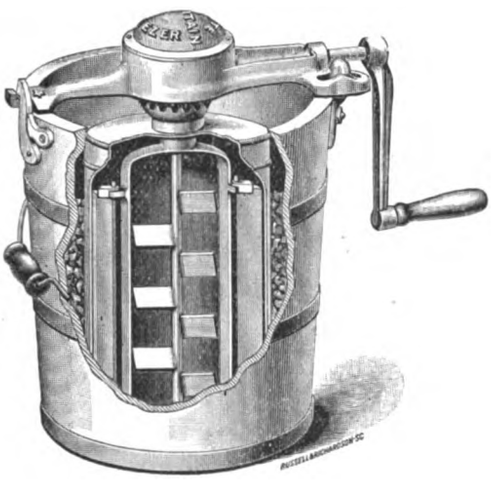
AMERICAN WHIP CO.,

New York, Chicago, San Francisco.

Correspondence Solicited.

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The Latest and Greatest Improvement



See that Double Scraper?

In Ice Cream Freezers for 1895 will be found in the

WHITE MOUNTAIN FREEZER.

A DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR attached to the duplex dasher (which has always been a feature of this Freezer) with which cream can be frozen in ONLY 4 MINUTES and of the finest quality. This is less than one-half the time required with any other Freezer on the market.

An exclusive feature of the White Mountain. Positively no other has it.

Investigate before you buy. All Leading Jobbers have them.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N. H.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.



BOSTON RAISIN SEEDER.

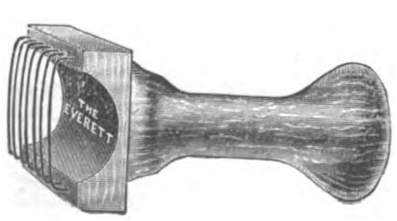
THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.



EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

—MANUFACTURED BY—

Everett Specialty Co., Boston, Mass



PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting.....15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball..$1.75 25&2%
B.B. Caps, Con. Ball, Swgd...$2.00 2%

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) ₩ 1.00.....2%
All other Primers $1.20.....7½&2%

SHELLS—
First quality, 4, 8, 10 and 12 gauge.....25&10&2%
First quality, 14, 16 and 20 gauge $10 ₩ M.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
B.E., 11 up..65c..B.E., 9&10...82c
B.E., 8.....95c..B.E., 7.....$1.10
P.E., 11 up..1.15..P.E., 9&10...1.50
P.E., 8....1.70..P.E., 7.....1.80
} 20&2%

SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.15
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .35
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.40
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.40
Buck and Chilled Shot, 5 lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag.....$1.75
Dust Shot, 5-lb bags, ₩ bag.....$ .45

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.25
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1,000 lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼ 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—

Eagle Anvils, ₩ lb 10c.....15%
Peter Wright's.....11½c
Armitage's Mouse Hole.....10@10½c
Trenton.....10@10½c
American "Horse-Shoe".....11½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....50%

Augers and Bits—

Auger Bit Association....70&10&10%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 80.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals.....45&10&10%
Brace twist drills for wood.....30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives, French, Swift & Co., Douglass' } 35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₩ doz. $60.....40%
Swan's.....40%
Steer's No. 1, $26; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Shepardson Diamond ₩ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₩ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&30%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools: No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18..25%
Brad Sets: No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level: Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co: Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.: High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb: Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb: Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed.....40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 2½ lb. ....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise.....20%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%

DOOR—
Gong, Abbe's.....40%
Gong, Yankee.....65%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....30&10%
Sargent's: Sheep and Cow Bells.....30&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.: "Imperial," seamless, stitched.....40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.: Extra Para.....40&10%
Reliable.....50&10%
Staple.....30&10%
Cleveland Rubber Co.: War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....30&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&30%
Seymour Smith & Sons..₩ doz. $5, 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $8; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's: 7¼x2½x1, ₩ doz. $11.00.....50% 9x2½x1, ₩ doz. $12.00.....50%

Bit Holders—

Extension: Millers Falls Barber's, ₩ doz.$15 50%
Ives' ₩ doz. $20.00....60&5@60&10%

Blind Adjusters—

Domestic.....₩ doz. $3...33⅓%
Excelsior..₩ doz. $10.00....50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $2.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr....$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley30%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob, " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '88.....65&10%
Port Chester Bolt and Nut Co: Empire, list Feb. 28, '88.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.: Norway, Pa., list Oct. 16, '84.....80%
Eagle Phila., list Oct. 16, '84.....80%
Bay State, list Feb. 28, '88.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—

"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—

Enterprise.....20%

Boring Machines—

Without Augers.	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.35
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

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Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled..65&10@70
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 18, 26, 26, 37.....70&10&5%
Ball Braces, net, ₱ doz. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....25&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....20&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&5&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&5%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....66⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₱ doz $3.00, 25%
American.....₱ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 5, Iron Handle, ₱ gr. $6....45@50%
Eureka.....₱ doz. $2.50.....10%
Sardine Scissors...₱ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₱ doz. $5.00...25%
Star.....₱ doz. $2.20
Sprague, No. 1, $2.00; 2, $2.25; 3, $3.50, 70%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₱ gr $9.00
Goodell's Acme, ₱ gr. $8.00; ₱ doz. 75c
Universal, ₱ doz. $3.00.....40%
Domestic, ₱ doz. $2.50.....50%
Champion, ₱ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ₱ gro $7.00.....50%
Kohler's Cyclone.....₱ doz. 75c
Kohler's Lightning.....₱ dos. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₱ doz. $2.25
Cast Iron, Steel Points, ₱ doz. 35c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₱ doz. $36.00
Gold Medal.....₱ doz. $27.00
Prize.....₱ doz $27.00
Premier.....₱ doz. $27.00
Superior.....₱ doz. $27.00
Cosmopolitan.....₱ doz. $27.00
Furniture Protector, Japanned.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Inter Ocean.....₱ doz. $27.00
Hall.....₱ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₱ doz. $21.00
Domestic, No. 2.....₱ doz. $22.00
Excelsior.....₱ doz. $22.00
Garland.....₱ doz. $18.00
Grand Rapids, Jap...₱ doz. $24.00
Grand Rapids, Nick..₱ doz. $27.00
Housewife's Delight..₱ doz. $15.00
Improved Parlor Queen Japanned.....₱ doz. $24.00
Improved Parlor Queen Nickeled.....₱ doz. $27.00
Parlor Queen.....₱ doz. $24 00
Standard.....₱ doz. $24.00
Make the following rebates: $1.00 ₱ doz. in 5 doz. lots, $2.00 ₱ doz. in 10 doz. lots.

Cartridges—
See Ammunition

Casters—
Bed, Plate, Shallow Socket..... } Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10&50%
Tucker's Patent, low list.....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%

COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain
Trace, 6½-10-3, ₱ pair, $1.08.....60&10%
Trace, 6½-10-3, ₱ pair 92c.....60%
Trace, 7-10-3, ₱ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₱ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.
New Haven.
Witherby.
Mix.
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg. Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₱ doz $10.00

Corn Huskers—
Blair's Adjustable.....₱ gr $8.00
Blair's Adjustable Clipper ₱ gr 7.00
Hubbard's Solid Steel.....₱ gr 4.50
Perkins Boss:
Styles A and B, ₱ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₱ gro. $8.00; R, ₱ gro. $20.00.
Wrist Supporters.....₱ doz. 75c
Mittens.....₱ doz. $1.50
Ashtabula.....₱ gro. $2.50
Brinkerhoffs.....₱ gro. $15.00
Buckeye.....₱ gro. $4.00
Cleveland.....₱ gro. $7.50
Johnson's.....₱ gro. $6.50
Universal.....₱ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....₱ gro. $3.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 2.81
Solid.....₱ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₱ doz. 2.00
F. E. Kohler & Co.'s Humane ₱ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₱ doz $1.40
Bee Rod ₱ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886. ....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₱ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.
Jennings & Griffin....
P. S. & W.
Mix.
New Haven.
} ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@35%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $3.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting..33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₱ doz $3.00..60%
National, ₱ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₱ gro $17.00 @$18.00
Duplex (Standard Co.)...₱ doz $1.25
Rival (Standard Co.).....₱ doz $1.00
Duplex Extra Heavy (Standard Co.) ₱ doz $3.50
Triumph (T. & S. Mfg. Co.), ₱ gro $10.50@11.00
Ayre's Spiral.....₱ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

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Egg Poachers
Morgan Steam, No. 8. No. 5.
℔ doz. $4.20 $6.00.....40%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, CF & FF.
Kegs, ℔ ℔..4½c	5c	2½c
½ kegs, ℔ ℔.4½c	5½c	2¾c
¼ kegs, ℔ ℔. 5c	5½c	3c
10 ℔ cans, 10 in case.... 6c	½c	5c
10 ℔ cans, less than 10.. 10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ℔ gro $4.50
No. 6, ℔ gro $7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood 25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's 40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ℔ doz. $36.00 .....60%
Lane's ℔ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't.&50 10%
IMPORTED—
Moss & Gamble, List April 1, 1883. 15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—
Seed's Water Filters...$8 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—
Knox.....35%
Geneva Hand Fluter, White Metal, ℔ doz. $18.00....25&5%
Crown Fluters.....30%

Fluting Scissors—
List.....45%

Fly Fans—
Columbia.....10%
Fowlers ℔ doz.....$31.00
Keyless M. & I. Co. ℔ doz.....$31.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co.....25%
Henis .....℔ doz $3.50
Shepard's Queen City..... ...40%

Fry Pans—
Standard List:

No.	0	1	2	3	4
℔ doz.	$2.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
℔ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—
Bolgiano's New Hot Air Perfection Gas Iron.....℔ doz. $18.00

Gauges—
Marking, Mortise, &c..... ...60&10%
Starrett's Surface, Center and Scratch .....35&10%
Bemis & Call's Steel..... .....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stube' Wire and Drill.....20%
Copeland Champion Bit ℔ doz $3.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets 40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ℔ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—
Family..... .....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's.....℔ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ½ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding..... .....40%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75 .....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's 50%
Ladies Perfect Tack, ℔ dos..... Nos. 1, $3; 2, $5..... .....33⅓%
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ℔ doz. $6.25.45%
Upholsterers Heavy, ℔ doz. $7.60 45%
Upholsterers Usual French, ℔ doz. $10.00..... .....45%
Upholsterers Solid Steel, French ℔ doz. $20.00..... .....30%
Upholsterers Rosewood Handles, ℔ doz. $14.00..... .....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔...℔ ℔ 45c
3 to 5 ℔.....℔ ℔ 35c
Over 5 ℔.....℔ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c℔ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....80%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%
STORE DOOR HANDLES.—
Japanned..... .....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%
DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door 60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc .....35@35%
Brad Awl 60%
Hickory Firmer Chisel, as ℔ gr 4.50
" Firmer Chisel, large ℔ gr 5.00
Apple Firmer Chisel, as.. ℔ gr 5.00
Apple Firmer Chisel, large ℔ gr 6.00
Socket Firmer Chisel, as. ℔ gr 8.00
} 30@40%
Worcester Leather Cap'd Chisel. 25%
File, assorted.....℔ gr 2.75
Auger, assorted ...℔ gr 5.00
Auger, large.....℔ gr 7.00
} 30@
30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....℔ set $1.35
Pat. Auger, Swan's.....℔ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ℔ pair, 23c.; No. 3, 18c.; No. 6, 16c.; No. 7 and No. 8, Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion 15c
Gwinner's Sensible.....33⅓%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....55%
Champion .....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track 55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00..... .....50&10%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ℔ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal. 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $18.00; 2, $23 & $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ℔ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00.....30%

Hay and Straw Knives—
Lightning. Mfrs' price ℔ doz $18.00, 45%
Gem.....℔ doz $10
Wadsworth's.....40%
Carter's Needle..℔ doz $11.50@$12.00
Heath's.....℔ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point 50%
Auburn Straw.....40%
Nolin's Hay.....℔ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap.
6 to 12 in., ℔ ℔ 3 9-10c
14 to 20 in., ℔ ℔ 3 4-10c
22 to 36 in., ℔ ℔ 2 9-10c
Heavy Weld ed Hood...
6 to 12 in., ℔ ℔ 3 9-10c
14 to 20 in., ℔ ℔ 3 4-10c
22 to 36 in., ℔ ℔ 2 9-10c
Screw Hook and Eye.
½ in., ℔ doz $1.50
⅝ in., ℔ doz $2.45
¾ in., ℔ doz $3.80
} 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate..... .....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ℔ 100 ℔ $5.75, over 14 in., ℔ 100 ℔.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise 55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....20%
Acme.....30%
J. S.....25&10%
Empire and Crown.....20%
Stover Ideal ℔ gro.....$13.00
New Idea ℔ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....20%
Barker's Double Acting...25@25&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@20%
Chicago. 30%
Wiles'.....10%
Devore's.....40%
Rex 40%
Royal Japanned 60%
Royal Bronze.....45%
Reliable.....60%
Champion 55%
Matchless No. 10.....50&10%
Victor..... .....60%
Torrey.....60%
Rubber.....66⅔%

GATE HINGES—
Western.....℔ doz $4.40, 60%
N. E .....℔ doz $7.00, 55%
N. E. Reversible. ℔ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3 .....60&10&5%
N. Y. State.....℔ doz $5.00, 55&10%
Automatic.....℔ doz $12.50, 50%
Keil's Superior.....20%
Common Sense..℔ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...℔ doz $13.00, 50%
Long's Self Closing..... .....50%

BLIND HINGES—
Barker..... .....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson .....45&10%
Huffer 50%
Clark's Nos. 1, 3, 5, 40 and 50.....60%
Clark's Mortise Gravity.....50%
Sargent's 75%
Shepard's:
Noiseless.....75&10%
Niagara.....60%
Buffalo.....80%
Clark's Genuine Pattern.....80%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2½, 3.....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.....60%
Planter's Cotton, &c.....60%
Warren Hoe.....55%
Magic.....℔ doz $4.00
Dunlap's:
Boys' hoes.....℔ doz $3.00, 80%
Ladies' hoes.....℔ doz $3.00, 80%
Scuffle 80%

EYE—
D. & H. Scovil.....30%
American Axe & Tool Co..... 70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ℔ doz $1.35
Hill's Tongs.....℔ doz $3.00
Hill's Rings...℔ doz bxs $2.15@$1.00
Perfect Rings..℔ doz bxs $1.80@$1.70
Perfect Ringers...℔ doz $3.15@$2.25
Blair's Hog Ringer ℔ doz $3.25@$2.50
Blair's Hog Rings...℔ doz 90c@$1.00
Champion Ringers.....℔ doz $3.00
Champion Rings, Double.℔ doz $3.25
Brown's Ringers.....℔ doz $3.00
Brown's Rings.....℔ doz $1.25@$1.20

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground..... .....60&10%
Unground.....65&10%
White Enameled Ware:
Maalin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maalin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....50@40&5%
Triumph Broilers.....5%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother.....
} 40&5%

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Hartford Silver-Plate Co.
William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ doz $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Ure's," 60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	28c	26c	25c	24c	23c.	40&5&5&2½
Clinton Fin	19c	17c	16c	15c	14c.	30&10%
Essex	28c	28c	25c	24c	23c.	40&10&5&2½&2½%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n	25c	23c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronsed	13@14c ₩ lb					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$12.60
Each.	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen.	$14.40	$18.00	$20.64	$23.40
Each.	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen.	$27.00	$32.40	$41.58	$49.50
Each.	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen.	$55.34	$79.20	$108.90	$136.62
Each.	5.45	6 60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$6.40	$9.00	$10 80	$12.60
Each.	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	
Dozen.	$14.40	$18.00	$20.64	
Each.	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen.	$28 40	$27.00	$32.40	
Each.	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz. 85 @ $1.15
Ames' Shoe Knives.....30%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list. net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 30%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.....75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronzed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '86.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Diets, Nos. 51 to 68.....40%
Diets, Nos. 86 to 98.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....35%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....35&2%
Eagle Lock Co.....35&2%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....35&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 109 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....30%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5	6
Each.	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each.	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each.	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..₩ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$60	$75	$80	$225

Beef Shavers (Enterprise).....20@25%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter ₩ doz $66.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $18.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....60&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—

	Hex.
Hot Pressed	5.50c 6.10c
Cold Punched	5.10c 5.20c
Cold Pressed C. & T.	4.80c

In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb. net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 35c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Extra Green Paper Wrapper, ₩ lb.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¾ to 2x⅝ to ⅝ at back, ½ to 5-16 edge ₩ lb .30
No. 1, (same sizes as above) " .70
No. 2, " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb..... .24
" 2x2x½, extra selected.. .40
Discount 33⅓%
Pike's Arkansas:
No. 1, 3 to 5½x1⅝ to 2x⅝ to 1, ₩ lb.....2.80
No. 1, 5½ to 8x1⅝ to 2x⅝ to 1, ₩ lb.....8.50
No. 1, 3 to 12x1⅝ to 2½x⅝ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ ₩ lb.....4.00
No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 8.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .06
Washita Finish, about 8x2x¾ to 1¼, ₩ lb.....10

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Round Edge Slips, about 6x1⅛ to 2x¼ to ⅝ back x ⅛ to ¼ edge, ₩ lb ..... .20
Plain Slips, about 6x1⅝ to 2x⅝ to ⅝, ₩ lb ..... .12
Plain Slips, about 6x1⅝ to 2x⅝ to ⅝, ₩ gross 8.00
Penknife Pieces, about 5½x1¼ x¼ to ⅛, ₩ gross ..... .30
Pike's Axe stones:
Large Axe, about 4x2x⅝ to 1¼ ₩ lb ..... .08
Small Axe, about 3x2x1½ to 1 ₩ lb ..... .10
Special Axe, 2½x1½x1½ ₩ lb ... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb ..... .05
Medium, 8 to 8½x2x1½, weight about 1½ lb, ₩ lb ..... .05
Large, 8¼ to 9x2½x2, weight about 2 lb, ₩ lb ..... .08
Small table, 9 to 9¼x2½x2, weight about 4 lb, ₩ lb ..... .05
Large Table, 10x4x3 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb ..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanizing, per lb 70c 40%
Boston " Phœnix " Red Sheet, per lb 50c.net
N. Y. B. & P. Co., Standard.....50%
N. Y. B. & P. Co., Empire.....60%
N. Y. B. & P. Co., Salamander...25%
N. Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P.Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard .....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 50c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute .....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin .....₩ doz 5.25
Bonanza .....₩ doz 5.00
Daisy .....₩ doz 4.00
Dandy .....₩ doz 7.50
Eureka, 1886.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite .....₩ doz 5.00
Ideal .....₩ doz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch .....₩ doz 12.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection .....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination.....₩ doz 5.50
Hoosier.....₩ doz 12.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6 87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....20%
Miscellaneous 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's .....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....5%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stube'.....20%
Morrill's Parallel, ₩ doz $13.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....30&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....30&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.50, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40& 2%
Levin Pruner, No. 2, $21.00 ₩ doz. 40& 2%

Pulleys—
Axle.....60%
Dumb Waiter.....50%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60& 10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig 328, 3 in. Shallow Well Pump.....$13 00
No. 8, Fig 328, 3½ in. Shallow Well Pump.....$15 00
No. 5, Fig 307, 3 in. Deep Well Pump.....$15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump.....$17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump.....$15.00
No. 32, Fig. 523, 3 in Deep Well Pump.....$17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump.....$14.00
No. 69, Fig. 332, 3½ in. Shallow Well Pump.....$17.00
No. 70 Fig. 333 2½ in Deep Well Pump.....$15.00
No. 72, Fig 338, 3 in. Deep Well Pump.....$15 00
No. 73, Fig 338, 3½ in. Deep Well Pump.....$16.00
No. 102, Fig. 448, 3 in. Lift Pump.....$10.00
No 108, Fig. 448, 3½ in. Lift Pump.....$11.00
No 128, Fig. 510, 3 in. Lift Pump.....$7.00
No. 131. Fig. 510, 3½ in. Lift Pump.....$8.00
No. 225, Fig 389, Windmill Pump.....$12.50
No. 230, Fig. 402, Windmill Pump.....$13.50
No. 2 5, Fig. 408, Windmill Pump.....$14.50
No. 240, Fig. 406, Regulator Pump.....$30 00
No. 280 Fig. 4 4, Imperial Cyclone Pump.....$18 00
No. 285, Fig. 5 2, Cyclone Tank Force Pump.....$ 7 00
No. 287, Fig. 483, Geyser Tank Force Pump.....$17.00
No. 288, Fig. 518, Low Down Tank Force Pump.....$16 00
No. 302, Fig. 477, Spray Pump complete.....$11.50
No. 320, Fig. 492, Bucket Spray Pump.....$5.50
No. 331, Fig. 547, Knapsack Spray Pump.....$10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@55
Spring, good quality, ₩ doz $2.50@3.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65%
Bemis & Call Co.'s Spring and Check 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronsed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1 net ₩ doz. $4.90
Gibbs' Crown, No. 2 net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1 net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake, $6.00.....25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth.....$2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.90
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co.....30%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAA1, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....50%

Refrigerator Hardware—
Francis Kell & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&60%

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger, ₩ lb 7¾c
Manilla, ⅜, ₩ lb 8¼c
Manilla, ¼ and 5-16.....₩ lb 8¾c
Sisal, 7-16 and larger....₩ lb 5½c
Sisal, ⅜, ₩ lb 6¼c
Sisal, ¼ and 5-16.....₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5½c
Cotton Rope.....₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manilla.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope...₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal.....⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 6½c
Sisal, Hay Rope.....₩ lb 6½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope.....₩ lb 11@13c net
Jute Rope.....₩ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood.....30%
Ivory.....50%
Miscellaneous, Stanley's.....30%
Starrett's Rules and Straight Edges, Steel.....35&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $3.50@$3.75
Self-heating.....₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $12.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....30%
National Self-heating.....35%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No 55, ₩ set. .....70 net.
No. 60, ₩ set.....80 net.
No. 65, ₩ set.....76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net.....$3.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper.....30&5%

Sash Chain—
Giant 40%
Monarch 50%
Red Metal.....40&10&10%
Steel.....40&10&10%
Morton's:
Champion Metal.....35%
Steel Cable.....35%

Sash Cord—
Common .....₩ lb 10@11.
Jute, good quality.....₩ lb 11.
White Cotton Braided, fair, ₩ lb 2 1
Common Russia Sash.....₩ lb 15c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 25½c@26c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....35%
B Quality, White.....40%
B Quality, Drab.....60&10%
C Quality, White (only) 25½c @ 26c
Sylvan Spring:
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $3.00...10&10%
No. 4 Braided Drab, $3.00...10&10%
No. 4 Braided Colors, $3.50..10&10%

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Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....55c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'sed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..25&5&2%
Hugunin's New Sash Locks.25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $33.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....35%
Enterprise Mfg. Co.....35%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd.....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $30.00; No. 5, $31.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets. ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50.25%
Richardson's.....35%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 50%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped.$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's.....33⅓@33⅓&5%
Richle Bros.' Platform.....40%
Brittan, Graham & Mathes.....5%

Scale Beams—
Scale Beams, List Jan. 12, '83..50&10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perfection Screens..50&5@50&10%
Window Screen Frames...50&10@50&10&5%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....5&5%
Disston's Pat. Excelsior.....5&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $12@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@90c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }
Wm. Johnson's:
13½ A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....30&5%
Bed.....30&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....30&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.....65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....50&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Boss, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....50@50&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&20%
Snow, D Handle, ℔ doz., $7.25 25&20%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters.....℔ doz. $2.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Batley's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....30%
Stearns'.....30&10%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....30%
Wood, 2nd Quality.....3½%

Spoons and Forks—
TINNED IRON—
Basting, Can. Stamp. Co's list. 70&10%
Solid Table and Tea, Can. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver..50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 8%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples.....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 25&2½ is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$3.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$3.75
Best Steel, Tinned or Coppered, 4 oz. papers, ℔ box.....$5.15
Atlas "Home" Tacks:
No. 50, ℔ carton.....$3.00 } 50%
No. 50, ℔ case.....25.00 }
No. 100, ℔ carton.....6.00 }
No. 100, ℔ case.....72.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am Iron Cut Tacks.....55%
Swedes Iron, Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc. Swedes Iron.....50%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks. Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete. Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft.....09
Single Rail Steel Track with clamps, ₩ ft.....09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1.50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz.$2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz..$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in. ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 14 in., ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 30@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire..₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering..25%
Peace's Plastering.....25%
W. & McP. Plastering.....25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering.....40%
Brick No. 100 Extra.....30%
Pointing.....40%
Corner.....40%

Vises—
solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....7½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5½c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....30%
Copper, list Jan. 18, 1884.....30%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....30&10%
Picture Wire.....New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft. $1.45
Galvanized Wire Netting.....30&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&2%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Alken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30. Erie, 11 inch	27.00
No. 55, King, 11 inch	33.28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 3, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3, Zenith, 11 inch	19.00
No 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	33.00

Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29 00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₩ gal. 50c
Linseed, City, Boiled.....₩ gal. 53c
Linseed, Western, Raw...₩ gal. 54c
Lard, City, Extra, Winter. ₩ gal. 56c
Lard, City, Prime.....₩ gal. 54c
Lard, City, Extra No. 1...₩ gal 50c
Lard, City, No. 1.....₩ gal. 45c

Paints and Colors—
Barytes, Foreign ₩ ton $22.00@$25 00
Barytes, American, Floated.....₩ ton $26.00@$28 00
Barytes, American, No. 1.....₩ ton $16.00@$18.00
Barytes, American, No. 2.....₩ ton $13 60@$15.00
Barytes, American, No. 3.....₩ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small pack.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5¼@6¼c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs.....5¼@6c
Zinc, American, Dry.....3¼@4½

Putty—
In Barrels and half bbls. .01½@.01¾
In Tubs .....01½@.01¾
In Tin Cans.....01½@.02½
In Bladders.....02¼

Spirits Turpentine—
In regular barrels.....₩ gal. 30½c
In machine barrels.....₩ gal. 31 c

Varnishes—
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$3.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$2.50
No. 1 Coach.....$2.25
Lt. Hd. Oil Finish.....$2.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$3.50
Umber in Oil.....₩ lb .20
Sienna in Oil.....₩ lb .22
Ochre in Oil.....₩ lb .13
Window Blind Green in Oil..21
Chrome Yellow in Oil...₩ lb 27
Indian Red in Oil.....₩ lb .21
Dealers' Discounts in large lots.....25%

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

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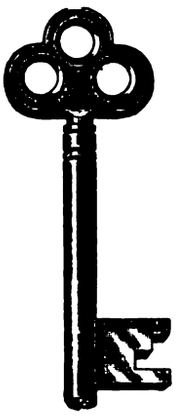
CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.

A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.



THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Experienced salesman to represent staple line to the Hardware trade, upon commission in New York, Pennsylvania, West Virginia, etc. Address, "Business," care HARDWARE, 143 Chambers Street, New York City.

A MANUFACTURER of high grade pen knives, scissors, razors, etc., desires to correspond with six first-class Hardware or cutlery salesmen of unquestioned ability to represent him after January 1st. The line comprises the handsomest as well as the most complete of any line on the market. Unexceptional opportunity for really first-class men. Address in confidence, stating fully for whom you traveled, how long, and territory covered. Hustler, care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

SITUATION wanted as Hardware salesman; four and one-half years' experience in builders' Hardware, butchers' and grocers' supplies. Best of references. Address S. V. W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED entry clerk and bookkeeper wants position with large concern where hard work and strict attention to business will ensure promotion and position. Has had four years' experience as a salesman in general Hardware. Address Hardworker, care HARDWARE, No. 143 Chambers Street, New York City.

POSITION wanted by an American. Age, 34. Bookkeeper, clerk or shipping clerk. Experienced in electrical supplies. Address G. F. M., care HARDWARE, No 143 Chambers Street, New York.

SITUATION wanted as Die-maker. Experienced in cutting, forming and drawing work, plain or combination. Address D. M., care HARDWARE, 143 Chambers Street. New York City.

WANTED, by a young married man, twenty-six years of age, position in wholesale or retail Hardware store. Experienced. Best of references. Address O. L. Barber. Tupper Lake, Franklin County, N. Y.

WANTED position as Hardware salesman, Builders' Hardware especially. Have had several years' experience in a first-class house. First-class references. Address Frederick J. Schwarz, No. 2 Willow Street, Brooklyn, N. Y.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

AN active reliable salesman, having a large acquaintance among jobbing and retail Hardware, housefurnishing and department stores in New York, Philadelphia and the South, desires a manufacturers' agency. Specialties preferred. A-1 references. Address, S. B., care HARDWARE, 143 Chambers Street, New York City.

TO Hardware Manufacturers and Importers: I want to handle on commission, in Chicago and vicinity, Hardware and house-furnishing specialties. Am a hard worker, and am well acquainted with the jobbing and retail trade. Good references. Address Energy, care HARDWARE, No. 143 Chambers Street, New York.

A BUSINESS man and salesman of twenty-five years' experience, capable and reliable, desires a manufacturers' agency—either Hardware specialties, supplies for gas, steam, water and oil, or a line of housefurnishing goods for domestic and export trade. Highest reference, given. Address Wallace, care HARDWARE, No. 143 Chambers Streets New York.

ARE you represented in Rochester, N. Y., a prosperous, wealthy growing city of 150,000, and the trading and manufacturing centre of a large section of the State? A gentleman of many years' business experience, of good judgment and well posted in commercial law, desires to represent a manufacturing, wholesale or jobbing house. Address P.O. Box 165, Clarkson, N. Y.

Side Lines Wanted.

WANTED by traveling man, long experience in New York State and Pennsylvania, Hardware specialty as side line, which will pay well for good work. Address Traveler, New Osborne House, Rochester, N.Y.

TRAVELING salesman wants A1 specialties or to represent a manufacturer or a line of goods in New England. H. Hayden, No. 667 Salem Street, Maplewood, Mass.

Side Lines Offered.

A TRAVELING salesman who sells Hardware and can handle a side line upon a liberal commission, may find a profitable business by addressing "Side Line," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

GOOD OPENING—A chance for a good worker. A young man with a capital of $3000 can obtain one-half interest in a well established Hardware business, in a growing section of Brooklyn. Address V. M. C., Blythebourne, N. Y.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Phil'a-delphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Julius Andre, Milwaukee, Wis.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Bridgeport Gun Implement Co., New York
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co., New York, Hagerstown, Md.
Curtis-Chi'd Mfg. Co., Philadelphia.
Cushman & Denison, New York.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cyc'e C., Minneapolis Minn.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co. New York, Chicago.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Edw. K. Tryon, Jr., & Co., Phil'a-delphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Kell & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
Francis Kell & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
Joseph A. Bogardus, New York.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Howard Iron Works, Buffalo, N.Y.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York.
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Kell & Son, New York.
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cans.
Star Mfg. Co., Canton, Ohio.

Oilgas and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg. Co., Boston, Mass.

Poultry Netting.
Gilbert & Bennett Mfg. Co, New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co, Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Raisin Seeders.
Everett Specialty Co., Boston.

Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Kell & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co., Canton, O.
Fred. F. Bischoff & Co., Chicago
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton, O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York
Reading Hardware Co., Reading, Pa.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Georgetown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn.
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Charles Perkins, Bridgewater, Mass.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass.

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spring Hinges.
Francis Kell & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Step Ladders.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Strainers.
Ideal Strainer Co., Boston.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Tapes.
Keuffel & Esser Co., New York.
Lufkin Rule Co, Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Telephones.
DeVeau & Co., New York.
W. P. Harrison & Co., Columbus, Ohio.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tobin Bronze.
Ansonia Brass & Copper Co., New York.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
Tuck Mfg. Co., Brockton, Mass.
Charles Weiland, New York.

Torches.
Bridgeport Brass Co., Bridgeport, Conn., New York.

Traps.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Trolley Cords.
Tate Mfg. Co., Malden, Mass.

Trowels.
William Johnson, Newark, N. J.

Trucks, Store.
John Chatillon & Sons, New York.

Trucks, Stove.
Gwinner Mfg. Co., Hamilton, O.

Tubes, Seamless Drawn.
Ansonia Brass & Copper Co., New York.
Wilmot & Hobbs Mfg. Co., New Haven, Conn.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Varnish.
W. W. Lawrence & Co., Pittsburg, Pa.
Edward Smith & Co., New York.

Vases, Flower.
E. T. Barnum, Detroit, Mich.

Vises.
Athol Machine Co., Athol Mass.
Billings & Spencer Co., Hartford, Conn.
Howard Iron Works, Buffalo, N. Y.
Prentiss Vise Co., New York.
Todd-Donigan Iron Co., Louisville, Ky.
Tower & Lyon, New York.

Wagon Jacks.
Gibbs Mfg. Co., Canton, Ohio.
Charles Morrill, New York.

Washers.
Boston Belting Co., Boston.
Milton Mfg. Co., Milton, Pa.

Washing Machines.
Boss Washing Machine Co. Cincinnati, Ohio.
Champion Washing Machine Co., Cincinnati, Ohio.
Horton Mfg. Co., Fort Wayne, Ind.

Wheelbarrows.
Toledo Wheelbarrow Works, Toledo, O.

White Lead.
National Lead Co., New York.
W. W. Lawrence & Co., Pittsburg Pa.

Wicks.
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Bruce & Cook, New York.
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Clinton Wire Cloth Co., Clinton Mass.
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Wood Mantels.
Ironton Wood Mantel Co., Ironton, O.

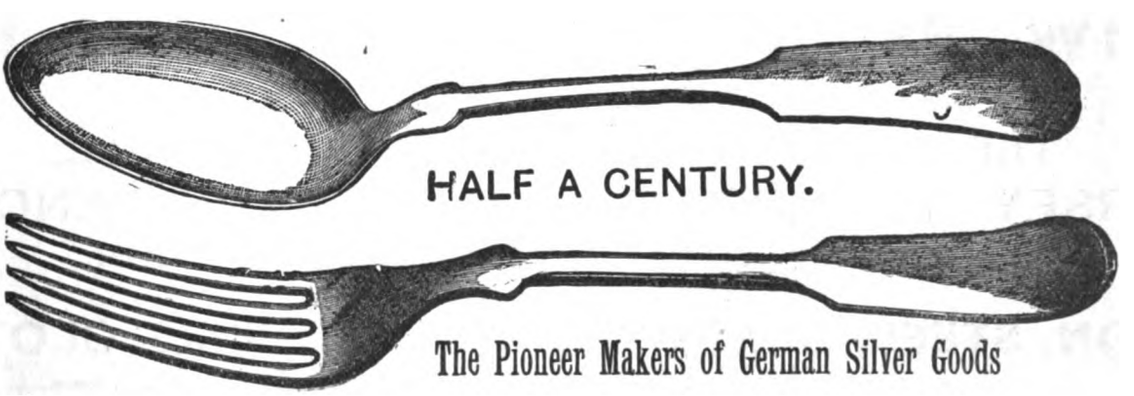
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Tower & Lyon, New York.

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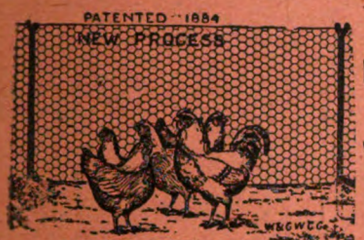
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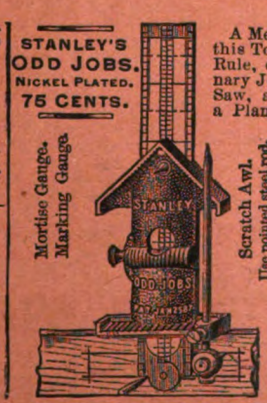
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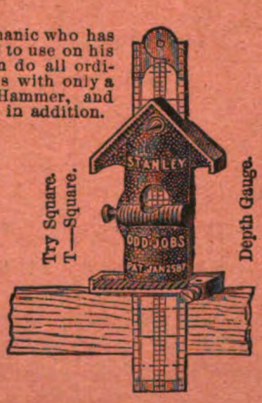
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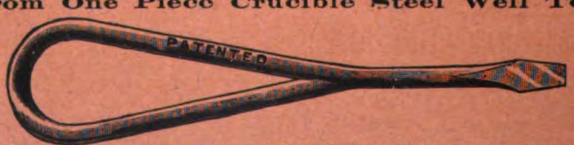
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The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded ORANGE RIFLE EXTRA.

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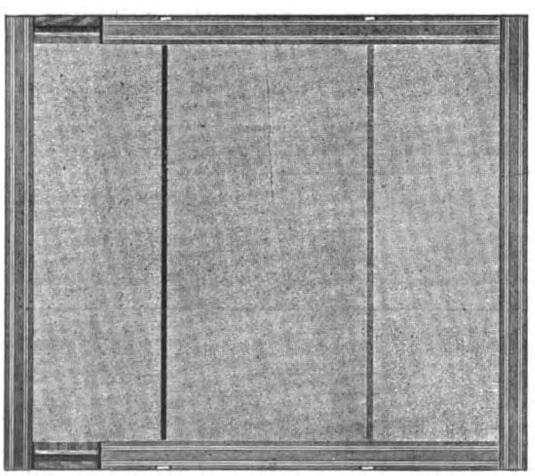
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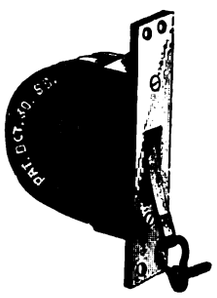
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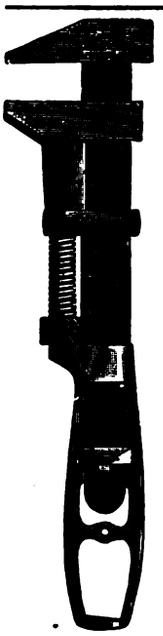
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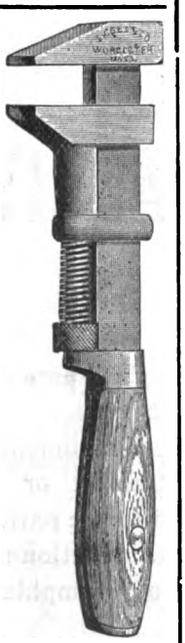
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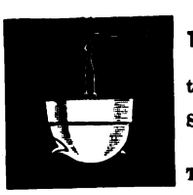


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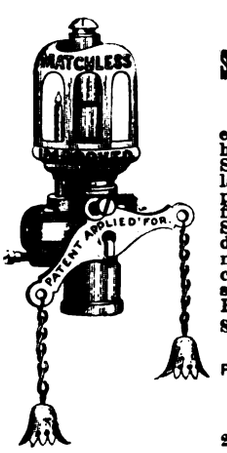
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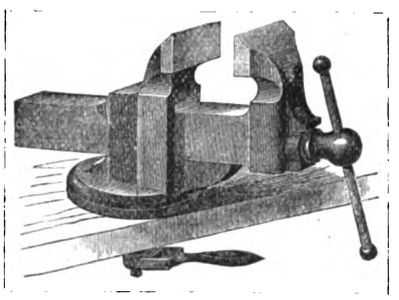
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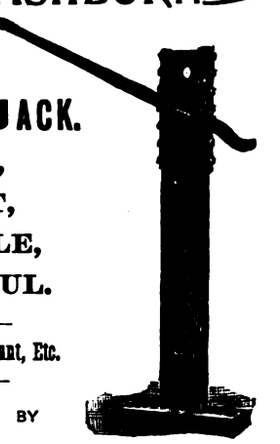
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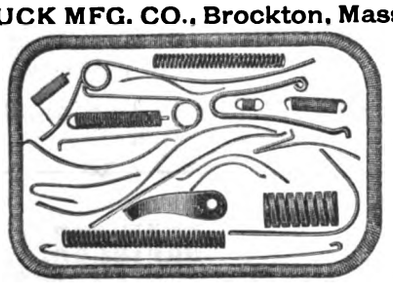
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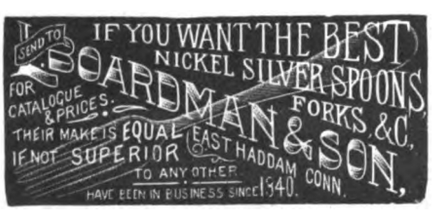
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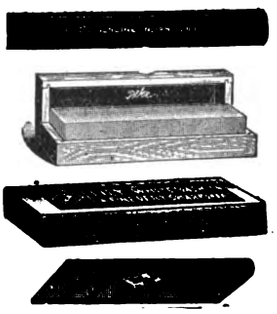
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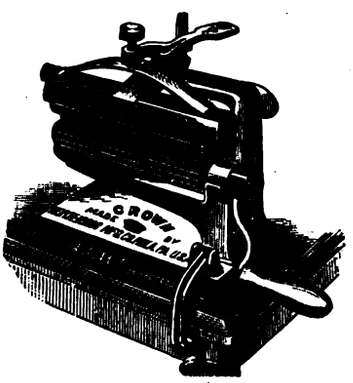
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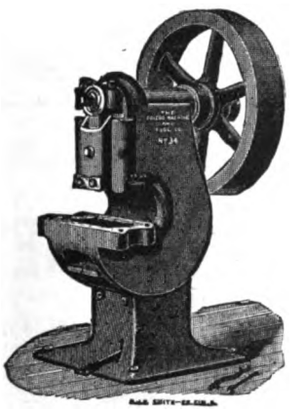
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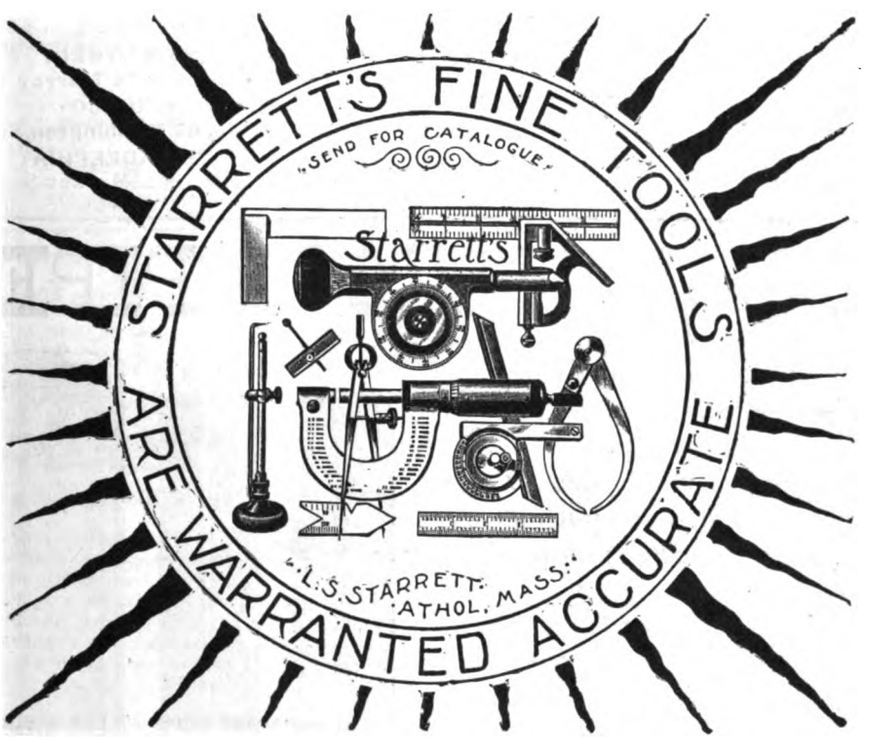
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MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.
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You take no risk on the quality, we make only the best



Sand Papers IN Reams and Rolls
Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

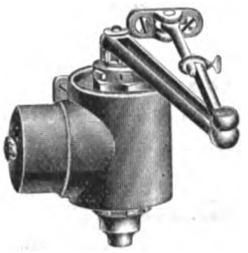
WE ARE HEADQUARTERS FOR
STEEL TAPES.
Don't buy foreign goods when you can buy a better article of domestic manufacture.
We manufacture the best and most complete line of these goods in the market.
LUFKIN RULE CO., Saginaw, Mich.
NEW YORK OFFICE, 21-2 Murray Street.

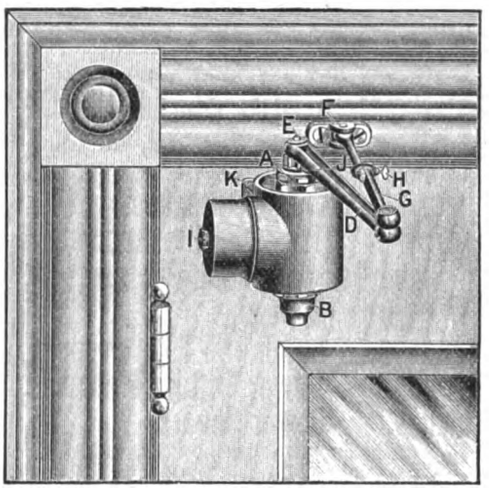
85% A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

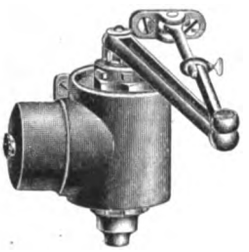
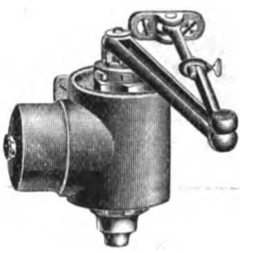
BAEDER, ADAMSON & CO.
700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
100 LAKE STREET, CHICAGO.

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CORBINS'
LIQUID DOOR SPRING AND CHECK.





P. & F. CORBIN,
MANUFACTURERS,

FACTORIES & GENERAL OFFICES
—AT—
NEW BRITAIN, CONN.

WAREHOUSES:
NEW YORK:
Nos. 24 & 26 Murray St.
CHICAGO:
No. 63 Washington St.
PHILADELPHIA:
No. 925 Market St.

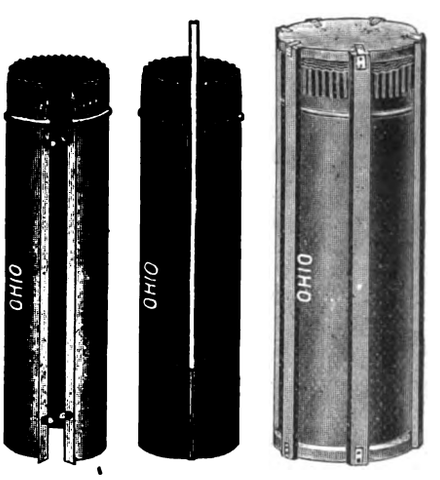
OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizes:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

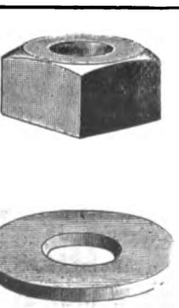
Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.



WROUGHT WASHERS.
HOT PRESSED NUTS.
MACHINE BOLTS.
The Milton Mfg. Co.,
Milton, Pa.



"HARDWARE" has a field of its own.
That's Why
Advertisers get results.

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ESTABLISHED 1828.

BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



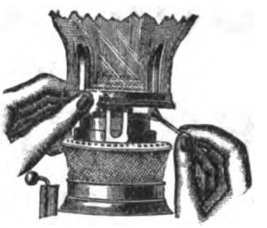
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O
26 6th St.....Pittsburgh, Pa
8-10 E. Michigan St. Duluth, Minn.
248-250 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind
287 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,* Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

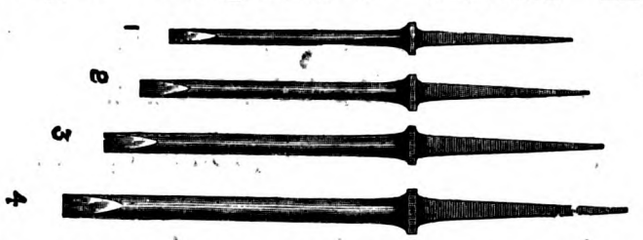
THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

P. S. STUB'S FILES. TOOLS. STEEL. Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. 109 109 FULTON ST. JOBBERS NEW YORK.

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES. TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

MILLBURY, MASS.

The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

TWO PRIZE MEDALS,

No. 1098 and No. 1099, AT WORLD'S FAIR.

Buyers are cautioned against any parties who claim a recent connection (or any connection for over 31 years) with Buck Bros., or who represent goods as our make not stamped with the BUCKS' HEAD or BUCK BROTHERS in full.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

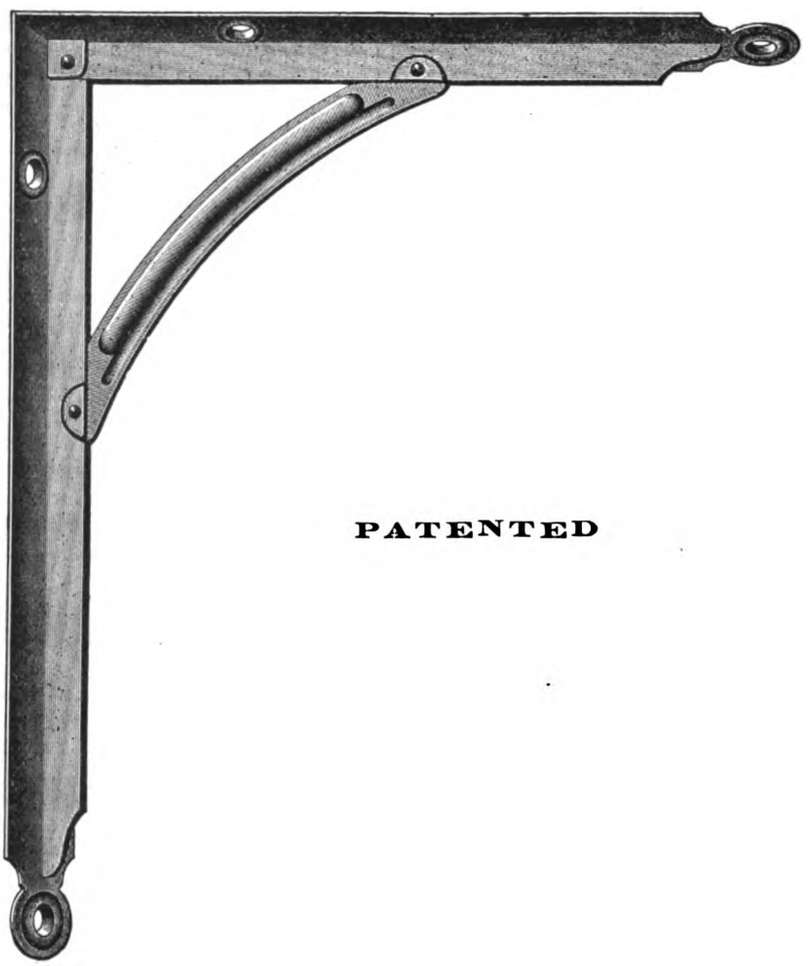
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A Perfect Shelf Bracket

—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



PATENTED

As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

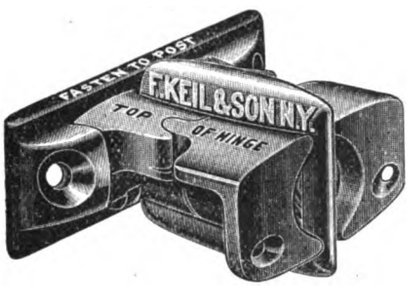
The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

THE STANLEY WORKS, New Britain, Conn.
79 Chambers St., New York.

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Buy The "Superior" House Gate Hinge.



IT HAS NO EQUAL.

Sample model gate with first order for one dozen of these hinges.

MANUFACTURED BY

FRANCIS KEIL & SON,

New York, U. S. A.

HEADQUARTERS

FOR

Union Hardware Co.'s Skates.

Flexible Sleds and Flyers.

H. & R. Forehand Revolvers.

SWEATERS.

General Sporting Goods.

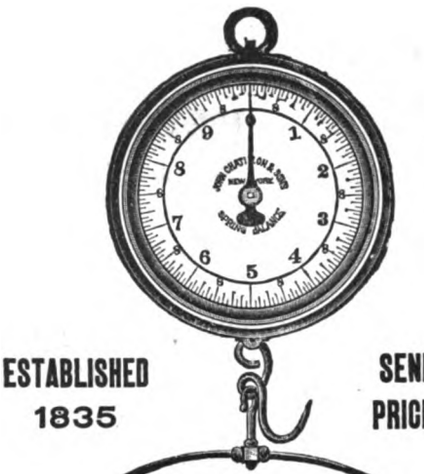
EDW. K. TRYON, JR., & CO.,

PHILADELPHIA.

Send for Catalogue.

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

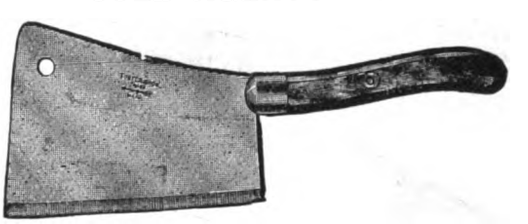
MANUFACTURERS OF

SCALES

—AND—

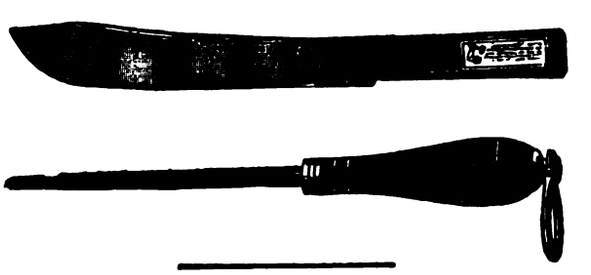
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



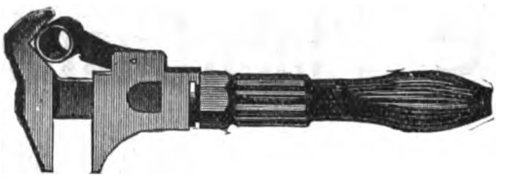
JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

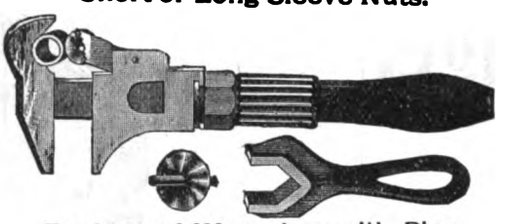
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Champion Screw Drivers (Machinists').



Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

CHAPLIN'S PAT. PLANES.

CHALLENGE PLANES.

EXCELSIOR EXPANSIVE BITS.

WOOD'S PAT. EXTENSION LEVELS.

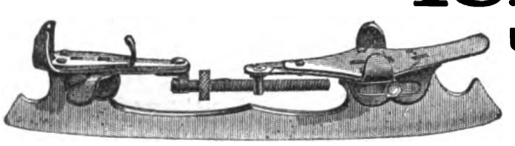
FINE TOOLS, POLICE EQUIPMENTS,

PADLOCKS, ETC.

MANUFACTURED BY **TOWER & LYON,**

95 Chambers & 77 Reade Sts., - NEW YORK.

ICE SKATES.



UNION HARDWARE CO.'S RACING SKATE

CALLED THE

DONOGHUE RACING SKATE.

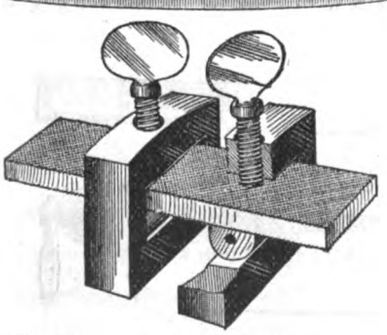
Made in three lengths, 14, 16, 18 inches.



The Union Skate Sharpener

A New and Useful Article

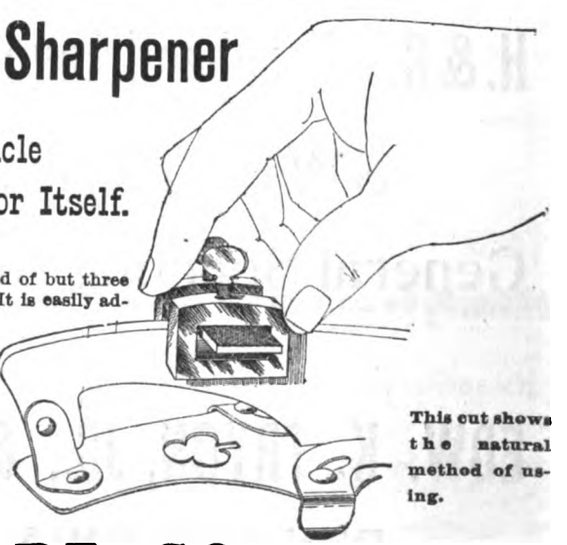
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine snop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

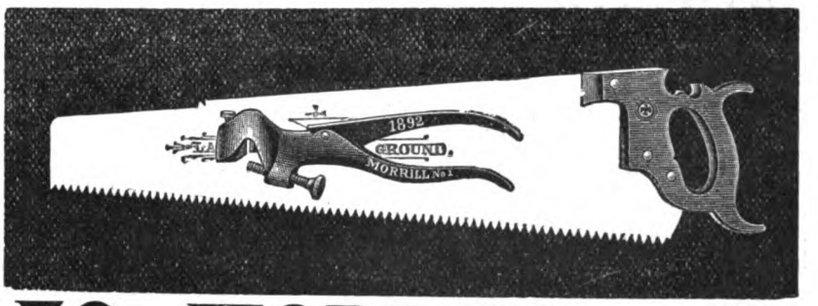
UNION HARDWARE CO.,

NEW YORK OFFICE in charge of TOWER & LYON. TORRINGTON. CONN.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

GEO. N. CLEMSON, Pres. LOUIS DUHME Vice-Pres ROBERT J. JOHNSON, Treas. F. B. EARLE, Sec

THE NATIONAL SAW CO.,

OPERATING

Wheeler, Madden & Clemson Mfg. Co., Middletown, N. Y. Woodrough & McParlin, Cincinnati, O. Woodrough & Clemson, Boston, Mass. Monhagen Steel Works, Middletown, N. Y. Richardson Brothers, Newark, N. J. Harvey W. Peace Co., Brooklyn, N. Y. Pennsylvania Saw Co., Philadelphia, Pa.

GENERAL OFFICE,
NEWARK, N. J.

SAWS

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.

Write for Catalogue and Prices.

Truss Bottomed FLAX FIBER Pails

TRADE STANDARD

Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him free, express charges prepaid, a sample pail.

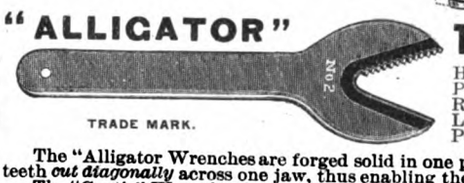
Standard Fiber-Ware Co., - Mankato, Minn.

Pipe Wrenches.



The "CURTIS"

	9 inch.	15 inch.	18 inch.	22 inch.
	$2.25	$3.00	$3.50	$5.00



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¼—¾	⅛—1	¾—1⅝	1½—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen.	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

MANUFACTURED ONLY BY
AMERICAN SAW CO. Trenton, N.J.

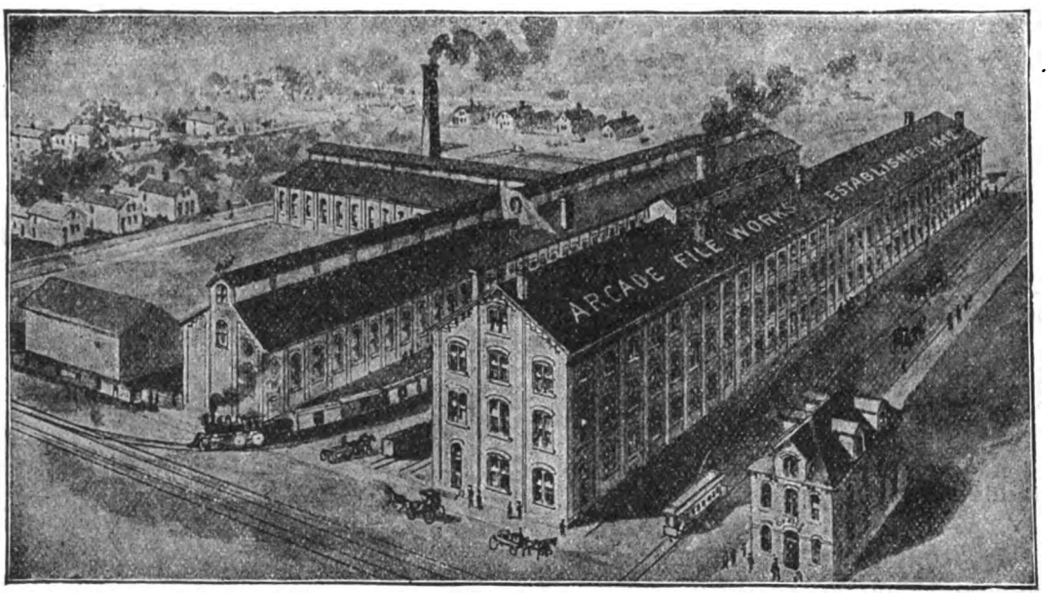
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

STANDARD OF EXCELLENCE.



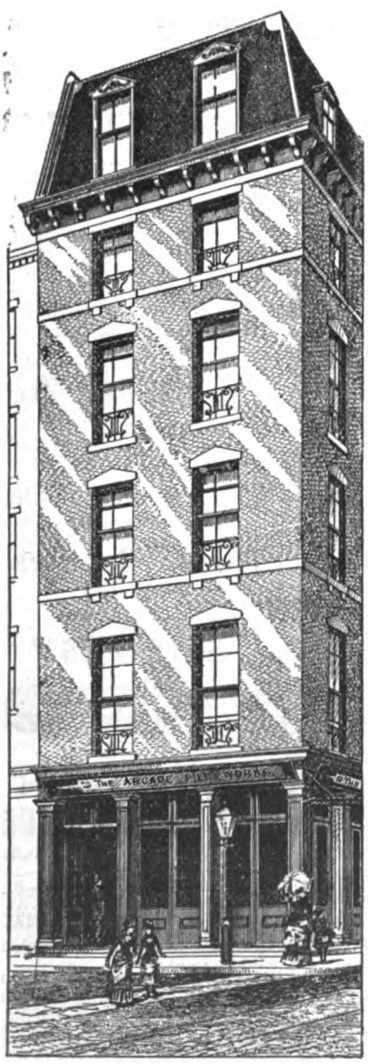
QUALITY UNEQUALED.

Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



NEW YORK STORE.

OFFICES AND WAREHOUSES:

23 Lake Street,
CHICAGO.

83 Reade Street,
NEW YORK.

For the convenience of the jobbing trade, we have opened offices and warehouses in New York and Chicago, where we carry a large and complete stock, and are thus enabled to supply the trade promptly.



CHICAGO STORE.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.



This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

NEW HAMMERLESS DOUBLE GUN.

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER,

MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. **Price Very Low.**

IRON AND BRASS Castings

NICKEL AND BRASS Plating.

Light Machinery & Machine Work.

Specialties wanted to manufacture.
Estimates Furnished.
Correspondence Solicited

C. H. ANGUS, Albany, N. Y.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, **PARKER BROS.,** MAKERS, **Meriden, Conn.**

FAITH

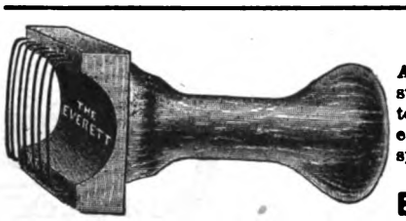
—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.



EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock. Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

—MANUFACTURED BY—

Everett Specialty Co., Boston, Mass.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

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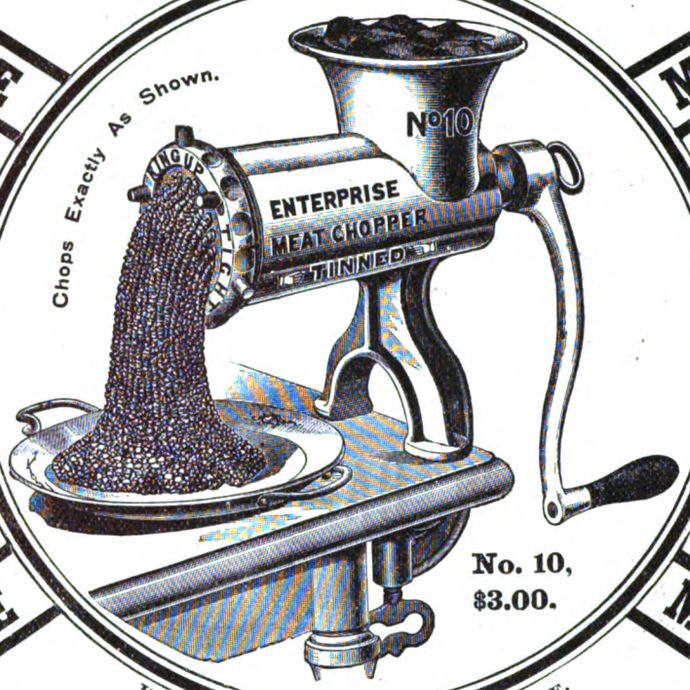
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HARDWARE

VOL. X. JANUARY 10, 1895. NO. 7.

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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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With the first number of the New Year, HARDWARE appears in a new dress, and with some changes in arrangement of matter, etc., that we are certain will commend themselves to the consideration of our friends—the great Hardware trade of America. It will also be noticed that we have been compelled to increase the number of our pages, because of the stress of news and advertising matter. Certainly HARDWARE has every reason for happiness over the record it has been able to make since it first presented its modest claims to the Hardware public. This is not so much a matter of self-congratulation, as it is one of thankfulness to those friends who as subscribers and advertisers have, from all parts of the country, recognized the need of its existence by rallying so generously to its support. To all these, and to all others to whom this greeting shall come, we desire to extend the warmest compliments of the season, and to hope that the New Year may be as promising in its outlook to them all as it is to HARDWARE. The improvements above noted are but simply the forerunners of others we hope to make during the coming year. It is the ambition of HARDWARE, as it has been from the very beginning, to make itself effective in all possible ways in the service of the trade which it represents.

The arrangements for the Annual Hardware Dinner of 1895—the time and place of which are elsewhere announced—are well under way, and if present anticipations are realized, the occasion will be one of exceptional pleasure and profit. These dinners have become a fixed feature in the Hardware trade, and it is not only a matter of personal pleasure, but also of loyalty, that each member of that trade should do everything in his power to insure success. The arrangements are in the hands of a competent committee, of which A. D. Clinch is chairman. It is specially desired that all who anticipate attending this dinner, should notify Mr. Clinch of that fact at their very earliest convenience, so that the committee will be able to go ahead as early as possible and complete arrangements.

On the twenty-second of January there will assemble in Cincinnati, Ohio, a gathering to which in anticipation, the name the National Convention of Manufacturers has already been given. Some details of this gathering, with a programme of exercises, may be found elsewhere in this issue. It is an occasion that certainly should commend itself to manufacturers of Hardware and allied lines in all portions of the country, and is but another step forward in that general line of organization of the trade which commenced some years ago, and which has been already followed by such benefits as amply demonstrate the wisdom of the movement. While this convention of manufacturers embraces all who may properly be designated by that phrase, it will be in many respects of direct application to the Hardware trade. No small degree of credit is due to the local association of Cincinnati, where this movement originated, and in the hands of whose members it has been pushed forward to a position where success is already an assured fact.

Elsewhere under the heading "Which Horn of the Dilemma?" a valued correspondent from Massachusetts presents to the trade a question which has been discussed pro and con heretofore, and which, perhaps, will be ever present when any question of practical economy in the presentation of new goods is under consideration. Our correspondent complains that in a recent communication to HARDWARE it was definitely stated that the task of creating the demand belongs entirely to the inventor and manufacturer, while the supplying of that demand after it has been created belongs to the merchant. He also quotes advice of a directly contrary character, given by a gentleman who from long experience and surroundings is well qualified to make a fair presentation of his side of the case. It is the desire of the correspondent that some one who has fully considered this question, and has, out of his own experience perhaps, matured an opinion thereon, should enlighten him as to which side is entirely right, or whether there is a golden medium lying between the two. The columns of HARDWARE are open to anyone who feels able or willing to discuss this question, and the fuller and freer the views are presented thereon, the better will it be for the information of all concerned. It does not seem to us to be a question so

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much of business theory as one of fact, and those who have had experience are certainly competent to give opinions. We would be glad to hear from them.

The Promise of the Year.

Let us hope that the beautiful weather which showered its sunshine upon the threshold of the New Year, was a harbinger of that spirit now reviving, which will yet enthuse the man of business, weary as he is with two years of groping uncertainty—two years lacking too greatly the evidence of the unfaltering courage so characteristic of the American merchant and manufacturer. Let us be thankful that at last a gleam of promise illumines the gloom of the unprofitable past; that at last the electric spark of returning confidence vitalizes the prospects for the future, and reanimates the hopes which for two long years have lain so dormant as almost to know obliteration.

The forge fires again are lighted, and the inspiring sound of the hammer of Progress on the anvil of Industry is once more the sweetest music the ear can hear. Once again the looms, long silent, are set in motion; the wheels of mechanical power, which like sleeping giants, have kept the doors of Labor's temple guarded against intrusion, are again moving in harmony with the will of an enfranchised spirit which says "Look upward and onward."

Hundreds of thousands of honest toilers who have known many idle days in the year just closed, will again begin to find profitable use for their labor. Industries paralyzed by commercial stagnation will again have the breath of life breathed into their productive energies, and the hum of the battle for the reviving business of the country will end all fear of future depression, by placing every worker where he can earn the value of the labor of his hands. Hard times are unknown when the busy hustlers in the hives of labor has each his field of remunerative employment.

Almost every report from the centres of commerce indicates the end of apathy and the growth of confidence. Orders for future delivery in many lines of Hardware are the obvious signs of a resumption of that aggressiveness which is the crowning glory of our business system.

America is bound to fight her way this year, and it behooves foreign nations, Christian or pagan, to be wary and watchful, or we will teach the antediluvian conservatism of their methods a thing or two they may long remember.

Already have we shown by our concentrated vigor, our aggregations of capital with reorganized labor, the ability to prove that no port in the world will long be closed to the pushing products of our mills and forges. We have amplified, extended and improved our formerly extensive plants, until they are now the wonder and admiration of the manufacturing world; and nothing is too boundless for our skill to grasp or our ambition to conquer. In all the commercial nations of the globe will yet be found the manifold evidences of our manufacturing ability. The proofs of our mechanical supremacy will be felt, admired and honored more greatly than ever before in this new year of 1895.

Information comes from Dunkirk, N. Y., to the effect that the Hartford Axle Works, of Norfolk, will be removed to that city.

National Association of Manufacturers.

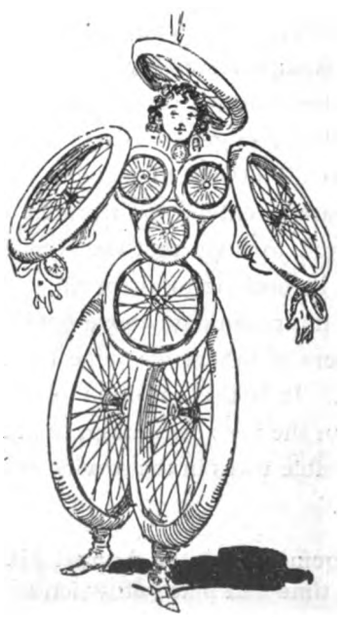
"You are cordially invited to attend a convention of manufacturers which will be held at Cincinnati, Ohio, January 22d, 1895, to organize a National Association of Manufacturers." This is the invitation found upon a handsome leaflet just issued by the manufacturers of Cincinnati and Hamilton county, Ohio. We have already made mention of this gathering and of its purposes, among which are the forming of a national association of manufacturers of the United States, for the purpose of considering national questions affecting their interests; the advocacy of legislation to encourage the manufacturing industries of the country; the discussion of ways and means whereby trade relations between the United States and foreign countries may be developed and extended; the establishment in South-American capitals and other desirable points of expositions for the display of American products; the extension of the commercial marine of the United States, and such other topics of like character as may be agreed upon by the convention. This convention is to be non-political, non-partisan and non-sectional,

The cheering announcement is made that such returns have already been received as will guarantee that the convention will be fairly representative of the manufacturing interests of the United States. The first question that will be presented will be the advisability of forming a national association, which main question naturally embraces the essential elementary questions of expediency, feasability and method. A vote will be taken upon these questions: "Should such an association be formed?" and "Can such an association be formed?" and if these are decided in the affirmative then will come the questions of "How formed?" and "To what end?" The programme arranged for the three days of the gathering is as follows:

Tuesday, January 22, at half-past eleven A. M.: Preliminary meeting at Odd Fellows' Temple; temporary organization; appointment of committees. Evening: The theatres of Cincinnati will be open to visiting guests with the compliments of the committee.

Wednesday, January 23, at half-past ten A. M.: Meeting at Odd Fellows' Temple; hearing and discussion of reports of committees. Two P. M.: Reception and lunch at Queen City Club. Evening, at eight P. M.: Concert and entertainment by the Symphony Club of the Chamber of Commerce.

Thursday, January 24, at half-past ten A. M.: Meeting at Odd Fellows' Temple; permanent organization; selection of headquarters; election of officers. Evening: Citizens reception and banquet to visiting delegates.



A FASHION PLATE FROM "JUDGE."

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Some Annual Dinners.

The arrangements for the Annual Hardware Dinner of 1895 have been so far carried forward that definite announcement of time and place can now be made. It will occur on the evening of Thursday, January 31st, at the place where the two former dinners have been given—which is Sherry's, on Fifth Avenue and Thirty-seventh Street. It was at first intended to hold it at the Hardware Club, but as it is a trade rather than a club dinner, and as the regular club arrangements would be seriously interfered with by giving it there, it was decided best to go back to the place made use of before.

The arrangements are in the hands of an experienced and competent committee; and as Alfred D. Clinch is chairman thereof, the trade can rest assured that everything will be looked after in a careful and able manner. A circular letter has been issued by the committee which contains some points of information for subscribers. It is stated that the reception will be held from 6 to 7 P. M.; dinner at 7; tickets, six dollars each; wines *a la carte;* and that an opportunity will be given to members of the Hardware Club to obtain tickets for themselves up to January 10th, and after this date subscriptions will be open to others. Tickets will be allotted in the order of the subscriptions.

THE SUPPLEE ANNUAL DINNER.

EDITOR HARDWARE: On the evening of the 29th ult., at the Union League, in Philadelphia, William W. Supplee, president of the Supplee Hardware Co., entertained at dinner some forty of his travelling force and office staff, and the occasion was one which will long be remembered by those who gathered around the social board. An elaborate and bountiful repast was attacked with evident gusto.

Mr. Supplee, contrary to his usual custom of making his remarks of a social character only, on this occasion embraced much of business, and propounded some questions relative to employer and employee, which sooner or later will confront every business man, and become an almost vital subject. His remarks were listened to with rapt attention, and there can be no doubt that the seed sown will bring forth at no very distant date fruit an hundred fold.

Around the board were noticed some who have been associated with Mr. Supplee for over a quarter of a century, which speaks more eloquently than words of the satisfactory condition of affairs existing in the house. Some thirty travelling men were present, who cover every State and Territory almost from the Atlantic to the Pacific, and the Lakes to the Gulf, and office men sat side by side who have never been in any other employment but that of this company and its predecessors.

Each guest at the table was given an opportunity to ventilate his views and theories, and some of the remarks were in the nature of orations.

This is the third banquet given by Mr. Supplee, and as far as the feelings which have always existed are concerned, this last has cemented them more firmly than ever. It was indeed good to be there, and the good will shown by all present must certainly be a great source of gratification to Mr. Supplee. As the dial marked twelve o'clock good nights were said by all, and the dinner of '94 passed into history, but its recollections will remain forever in the memories of those who were fortunate to participate in its pleasures. ONE OF THE GUESTS.

Philadelphia, January 3, 1895.

W. H. BELKNAP & CO.'S DINNER.

The wholesale Hardware firm of W. B. Belknap & Co., Louisville, Ky., conceived the happy idea of giving their traveling salesmen and heads of departments a dinner as a fitting close to the year's work and as a mark of appreciation of their services, and, accordingly, they were dined some nights since at the Pendennis Club. Forty-one sat down to the dinner and sandwiched informal speeches between courses. The previous afternoon the travelers and members of the firm held a conference at the Galt House, and talked over business. The firm's new catalogue has just been prepared, and instructions were given regarding it.

AN ATLANTA BANQUET.

The annual banquet of the Beck & Gregg Hardware Co., Atlanta, Ga., occurred on the evening of December 23d, in one of the private dining-rooms of the Aragon Hotel. When the last course had been served, L. H. Beck, the president of the company, who acted as toastmaster, made a short but appropriate address, in which he gave a history of the firm and of the company succeeding it, from its foundation down to the present day. One signifioant fact brought out in his address, was that all of the officers had worked their way up from the bottom round. The business was started twenty-nine years ago, on a borrowed capital of $4000, on which a business of $30,000 per year was done. To-day the company have a full paid-up capital of $150,000, and are doing a business of a half a million dollars a year. The speaker paid a handsome tribute to the traveling men, and attributed the success of the business in a large measure to the harmony that had always existed between the officers and their employees. Informal speeches were made by John W. Milton, R. T. Semmes, John Chambers, J. Harden, Will Parker, A. W. Kennedy, Sam Clark and others. The only thing which marred the pleasure of the evening was the absence of W. A. Gregg, the secretary and treasurer of the company, who was seriously ill at his home on Capitol Avenue. It was decided to omit this annual gathering because of this fact, but when Mr. Gregg heard of the proposition he would not listen to it for a moment. The following resolution introduced by A. W. Kennedy, and adopted by a rising vote, shows something of the high estimation in which Mr. Gregg is held by his associates and employees:

"*Be it Resolved*, That while the occasion has been one of enjoyment and pleasure, we unanimously deplore the absence of W. A. Gregg, and that the occasion has lost its brightest member, and that while on his bed of sickness, he has the prayers and heartfelt wishes of his fellow workers for his early recovery, and further usefulness to his friends and his associates and the city of Atlanta."

Active Business Half a Century.

The firm of Allen & Noble commenced the Hardware business at No. 10 Washington Street, Boston, and on January 1st, 1895, completed fifty years of active business life. Both gentlemen are now living. At the time the firm was started that city had a population of less than 100,000, and most of the Hardware was imported. Not a State or city official then in office is at present living. The Hardware houses of that day were Homes & Horner, Lane & Reed, Alexander H. Twombly & Co., James Butler, Proctor & Butler, West & Parkman, Charles Brook & Co., M. C. Warren & Co., Dodge & Vinal, John Bradford, J. B. Eaton, George N. Gray & Co., Z. Hosmer, Charles Scudder & Co., Fairbanks & Loring, T. W. Walker & Co., J. Parke, Joseph Lincoln, W. H. Barnes, A. J. Johnson, A. J. Wilkinson, Smith & Brother, T. P. Barnes and others.

A Huge Engine.

An enclosed compound Green engine of 2,000 horse power, and an economic development 1,600 horse power, has been ordered by the Washburn & Moen Mfg. Co., Worcester, Mass., from the Providence Steam Engine Co. The high pressure cylinder is 26 inches in diameter, and the low pressure cylinder 50 inches. Both cylinders have a 48-inch stroke. The belt will be 80 inches wide and one inch thick. This huge machine is intended to replace the Corliss engines that have been in use in the long Grove Street mill since 1868.

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"Hop's" Corner.

I was in a well known Hardware store a few days ago, when a package at that moment was deposited by an expressman, having been returned by a Western customer who had ordered more goods than he needed, and, not seeing the justice of keeping the overplus had "fired them back," as the dealer expressed it, "without justice, equity or common sense."

"Do you take back goods in this purely philanthropic manner?" I asked the dealer, "for you undoubtedly lessen the anxiety of mind of the customer, who can return and charge back to the manufacturer or his agent all his idiotic errors, and almost make his buying so easy that a boy of sixteen could run his department."

"Oh, well," the dealer said, "you have to submit to just such injustice every day in the week: we know it's wrong in inception and practice, we all have apparently inflexible rules which permit 'no goods to be returned unless we are first consulted with,' but what are you going to do about it? Take this case for instance. Out of $300 worth of goods he returns this $17 worth, claiming 'it's no trouble for us to take them and place them again in stock,' forgetting, or pretending to forget, that they were made to order, in a special finish, which we never carry in stock; then, again, instead of returning them in the original packages (so that if they were regular they could go in stock), they came back without the screws which originally accompanied them; without the tissue paper they were wrapped in as well; and they are even returned in boxes belonging to goods furnished by one of our competitors, and this is the ridiculous part of it. But competition is so strong we submit to the inevitable. They are credited with handling all of our line of goods they can, so we must humor their whims, and we console ourselves with the knowledge of a number of instances where our closest competitors have submitted to the same arbitrary abuse of business courtesy and thanked the god of traffic that the circumstances were no worse."

One of these days the strong hand of independence will throttle this conscienceless departure from strict business methods and close the accounts of those who persist in such reprehensible practices; but the volume of business must become larger than at present before this stiffness of backbone becomes visible.

Old John, Peter McCartee's illustrious porter,
Was removing the *debris* one day, as he'd "oughter;"
When a man stopped and asked if "Mr. Stanley was in?"
"No! but I'm Mr. 'Works'" said old John with a grin.

It's amusing to notice the amount of originality daily expended in christening the different specialties of American production with a taking title, usually devised for popular prestige, in the interest of judicious advertising.

Stoves have burned for years to lead the way to fame and popularity, and have had fabricated for the purpose a long range of gorgeous appellations that apparently exhaust all known sources of application. Lawn mowers have since their birth taxed the invention of man and woman to supply suggestive cognomens, and as they suggest how essential it is to push these articles into popular use, Webster's Dictionary has been well thumbed in this pursuit; every purchaser of twenty-five machines desiring to christen the selection, frequently a high sounding name permitting an additional profit. New bicycles come to the front, and the factories are ransacking ancient and modern history for fetching names. Some of them have reached round after round of the ladder of fame, and although too *tired* to do much more than *wheel* into line with a metrical head line, every effort is made to accomplish that much.

A great deal depends on the success of a campaign of expensive advertising, that the article or specialty has a good trade mark, or anyhow a good catch line in connection with it; then push it right and left until the public come to know its sound. An original or suggestive trade mark, for advertising purposes alone, is worth twenty-five per cent of the expenditure, and ought to command that value in the market. It should have undoubted reasons for its existence, indicating something; and the metrical harmony necessary to lead to a train of thought in connection with it should be a potent factor in its construction. Then follow it up by a campaign of educational advertising, and the future will be full of results.

John, the lunchman at "Hollender's," frequently makes
For a German-American, the oddest mistakes,
When a customer ordered "a half shell, just a few;"
His friend said he "guessed *he* would take *oysters too*."
What do you think John brought this gourmand to attack?
Why a dish of *stewed* oysters too fine to send back!

"Hop."

Heavy Hardware Jobbers' Union.

The Heavy Hardware Jobbers' National Union held a meeting in the Southern Hotel, St. Louis, Mo., on December 21, 1894. The principal object of the gathering was to allow the exchange of views regarding matters interesting to this branch of the Hardware trade. The union as a whole declined the invitation of the National Hardware Association to join this new organization. Each individual member may, however, join the new association. The members of the union were the guests of the St. Louis Association, at a banquet at the Mercantile Club. Thirty covers were laid. The officers elected for 1895 are as follows:

President, S. D. Kimbark, Chicago.

Vice-presidents, Gaius Paddock, St. Louis; Francis Boyd, Milwaukee, Wis; W. B. Dean, St. Paul, Minn.

Treasurer, Robert E. Brier, St. Louis.

Secretary, Charles T. Brace, St. Louis.

Executive Committee: J. J. Parkhurst, Chicago, Ill; C. R. Blake, St. Louis; Robert Donahue, Burlington, Iowa; George Deming, Cleveland, Ohio; J. J. Slattery, Louisville, Ky.

The next meeting will be held in Louisville, Ky., March, 1895.

Burlington's New Establishment.

John A. Manson & Co. have recently opened one of the handsomest and best arranged Hardware stores in the country, on Church Street, Burlington, Vt. The head of the house, John A. Manson, has had his business education in a most excellent school, and is built of the material which commands success. He was several years with George I. Hagar, one of the oldest and best known Hardwaremen in Burlington, and afterwards travelled for eight years for Tower & Lyon, New York. His route lay all over the South and West. Since his decision to go into business for himself Mr. Mauson has made a study of the arrangement of stores, and has embodied in his own establishment the best features of them all. He is live, energetic and pushing, aud it is needless to prophesy that the new venture will be crowned with an abundant success.

A hog has been killed at Whitpain, Pa., in the stomach of which was found a heterogeneous mixture of Hardware and junk, comprising nails, screws, rivets, hooks, an umbrella ferrule, a cartridge shell and seventeen bits of lead, tin and copper on which the pig had exercised its bicuspids. In all there were 137 pieces. The pig weighed when dressed 180 pounds, and showed no evidence of having suffered from stomach trouble.

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Porter to Partnership.—IV.

When the drummer of to-day starts out after trade with his valise of samples in his hand, he feels something as I did the day I got into the wagon and started for Germantown. The expedition was my own idea entirely, so that if it failed I could not divide the failure with anyone. My plan was to inaugurate a weekly visit, when I would collect butter, eggs and cheese, and anything else the settlement might have to sell and pay them either in goods or in orders on the store for cash; even if they came in for the cash it would be worth a great deal to get them into the store.

It was a pleasant day and my hopes rose with the ride, so that by the time I reached the first house in the settlement I was in good spirits for trade. I drove up to the gate and hitched my horse, while one of the windows was soon full of faces watching me. Mr. Guggenheim opened the door as I went in the gate and gave me a "wie gehts" in answer to my "good morning." I was pretty well acquainted with all the settlers here, so I proceeded at once to business.

"Have you any butter or eggs for me to-day, Mr. Guggenheim?"

"Butter an' eggs? You want some?"

"Yes, sir; I am coming around every week for such things, and will pay you just the same as we do in the store; or if you like better I will bring you groceries for them next week."

"Yah, I will see." He called out the good wife and they spoke together in German; then they brought out a pan of butter and a few eggs. I weighed and counted what they brought me and then tried to get their order for some goods to be brought out the next week, but it all ended in my giving them an order on the store for the amount of the produce in cash.

At the next house I was successful in getting an order for goods for their produce. Some of the people looked on me with considerable suspicion, and wondered why I did not bring the cash along with me, but with these I called in some one who knew me and I got their stuff. As a result of my day's work I carried back a very good load of produce, some good orders for goods to bring with me the next week, and I had opened trade with several families whom we had never sold before.

On the next Saturday the people with the cash orders came in, and there was none of them but did some trading with us before they left the store. The next time I went out I had goods to deliver, and I came back with a good batch of orders for the week following. Mr. Ely considered my experiment a decided success, and when the new store started we were sure of the trade in the German settlement.

The new merchants started as if they were going to run out of trade every other store in town. They brought some of the city enterprise with them that one could see at a glance were capital ideas, but they also had some notions that were entirely out of place in the country. The store was arranged with great taste and so that everything was convenient for the salesman; the country was flooded with glaring hand bills calling attention to the new store, and staples were quoted below cost, but Mr. Ely had been ahead of them here. He reasoned that they would surely cut down prices, first because it was natural for a new firm to do it, and next because we were selling staples at what was a fair profit, while in the city where these men had been living staples were sold at cost or less. Then he said that if he was to cut down prices first many people in the country would give him the benefit of the decline, while if he waited until the new store was running it would be said he was forced to come down by the new men. So we anticipated their opening and circulars, and sent out ours, cutting prices down to the quick. The new firm went a little below us on some articles, but not enough to attract attention, and we could not say after they were started that we felt their competition at all.

One day I was standing at the depot waiting for a coming train, when I ran across the senior of the new firm, Mr. Haricot. He seemed very cordial, and after a few minutes' talk asked if I had made any engagement with Mr. Ely for any specified time. I told him I had not. Then he said he would give me an increase over any salary I might be getting if I cared to leave Mr. Ely and work for him. It seemed to me it was a very mean way of doing things between two merchants, but I simply said I was well satisfied with my position at Mr. Ely's, and should not care to change. I never mentioned this incident to Mr. Ely, but when, at the end of the year, he gave me fifty dollars more than was due me I was tolerably sure that he had heard of it from some one.

That fifty dollars was the beginning of my bank account: Mr. Ely told me to do just what I pleased with it, and mother said she did not need it; I determined at first that I would buy a watch with it; then I concluded I would have the "nobbiest" suit of clothes in the town; then I changed my mind and was about to start a private library with it, but I was talking to Mr. May about books and he said something that decided me to put it in the savings bank.

"Don't begin to invest very heavily in the purchase of books just yet, Mark," said he; "if you are able to save a little money don't put it where you cannot get at it; the day may not be far off when a little ready money will be the making of you; open a savings bank account when you have five dollars saved, and you will feel like adding to it whenever you can; then if you need your money it is where you can get it."

We had no savings bank nearer than the city, but a few days after this Mr. Ely sent me down there to pick out some groceries, and I opened an account in the savings bank there. I felt myself quite a capitalist as I rode home.

For the next three months I was tolerably busy. Mr. Ely caught a severe cold that settled on his lungs, and for twelve weeks he could not come near the store. Mr. May came in every evening and we made out orders for goods together, but during the day I had to shoulder the entire responsibility of the business. Fortunately it was not a time of year when farmers were selling much of their products, and when it came to selling our goods I was nearly as well posted as was Mr. Ely. In ordering goods I was without any experience whatever; Mr. Ely had always done this without consulting me, unless to ask about stock on hand. So I made all our orders very light in order to be on the safe side, and the result was that when Mr. Ely was able to come to the store we were very low in goods. After he had time to look the stock over he decided it would pay to go to New York and lay in a good line of goods, and he determined, too, that I could do the work there as well as he, so he told me to get ready. No one but a clerk who "has been there" can realize my feelings as I carried this news home to my mother. I was so happy I slept but little that night.

Franz Siegler, a Hardware merchant of Birdseye, Ind., became convulsed with laughter over the joke of a friend and could not be quieted until he had burst a blood vessel. Death was almost instantaneous. Siegler was a bachelor of a jovial disposition, and was famous for miles around for his laughter.

A cutler displays a combination knife and fork for the use of persons only having one arm. It is a small knife, the blade shorter, but wider, than usual. The blade is turned up at the end, and there are three prongs.

An ingenious spirit in Alsace, has, it is claimed, invented a remarkable bicycle, which is operated wholly by the rider's weight. It is naturally considered "one of the finest inventions yet found in the bicycle world."

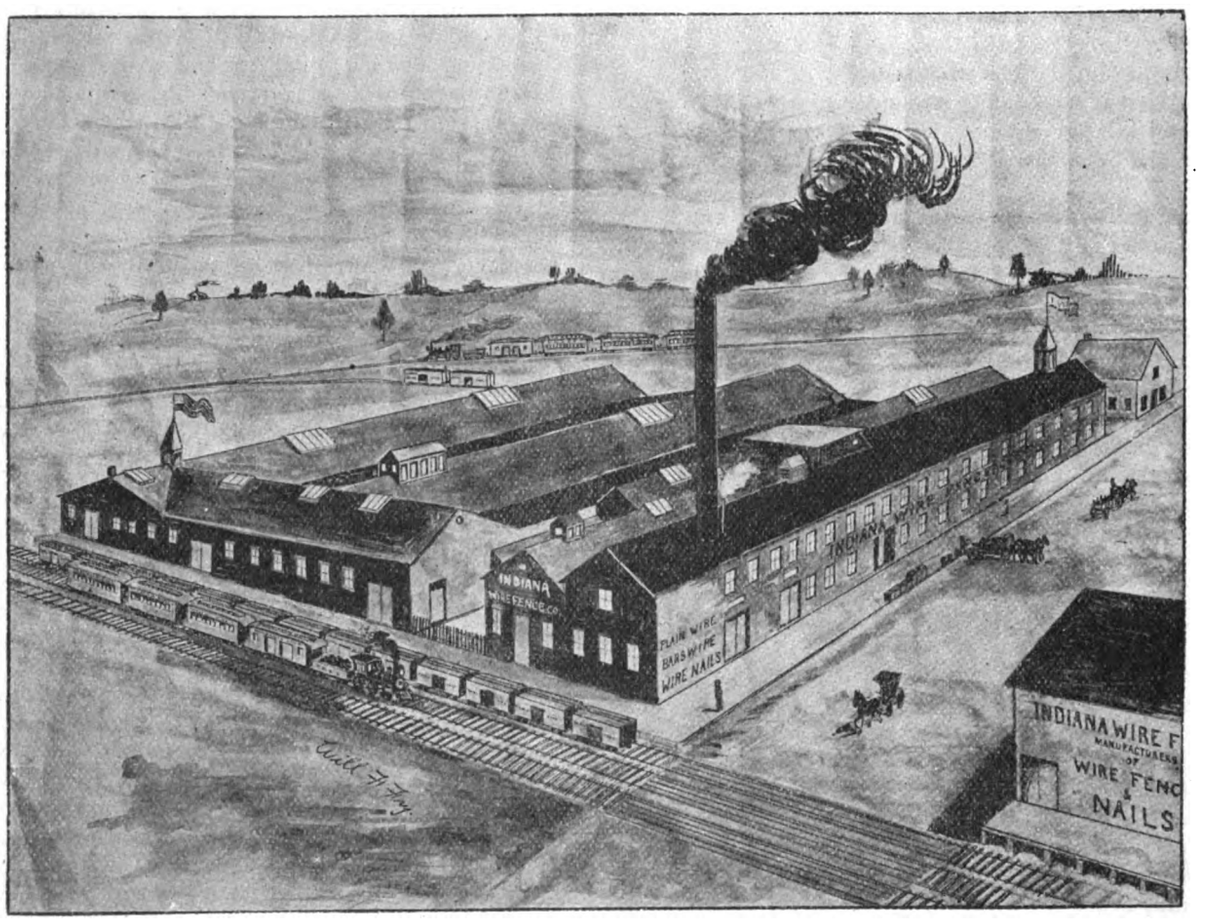
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Indiana Wire Fence Co.

In a souvenir edition of the Crawfordsville, Ind., *Journal*, just at hand, we find an illustrated description of a manufacturing concern that long since secured a high position in that branch of the Hardware trade to which it belongs. This is the Indiana Wire Fence Co., whose works are shown below, and concerning which the *Journal* says:

The position occupied by the Indiana Wire Fence Co. in this community is such that in compiling the commercial, manufacturing and other interests of Crawfordsville, our work would be but imperfectly executed were we to omit mention of this establishment—one adding as it does by solvency and solidity, by experience and reliability, great credit to the city of its origin. It has become a potent factor in the commercial interests of the city, and the company has, in the fourteen years of business, had no reason to feel other than well pleased with the business, as it has been attended with great success. Their plant has been added to, and now a large, brick building, covering almost two acres, is used wholly as factory, offices and storage rooms of this immense concern, all necessary parts of the one great entirety. They manufacture barb wire, wire nails and fence staples, and their products have met ready sales wherever they have been offered. It has a splendid trade; has met in competition in the large cities all the different kinds of barb wire, and finds as many favoring it as any other make; at least so many want it that they have not succeeded in making the supply equal to the demand. In order to more nearly do so, the company have just been enlarging and adding some valuable improvements to their plant, will put in new machines and employ more helpers. The barb wire is made of steel wire, sold both in painted and galvanized. The main wire is two strands with the barb twisted so it is held secure, a fencing wire that answers every purpose, is light, has strength and durability. Their nails and staples are also good sellers, not surpassed in quality by anything put on the market. The Wire Fence Co. deal in plain wire, lawn and ornamental fencing, the Eureka Post Hole Diggers and the Elwood Wire Stretcher. These agencies have been accepted only after the articles after a severe test have been declared meritorious.

The officers of the Indiana Wire Fence Co. are: C. M. Crawford, president; O. M. Gregg, secretary and treasurer. These will be recognized at once as two of the moneyed men of the city, both closely identified with her interests, ever ready to lend their influence and capital to sustain enterprises calculated to advance local prosperity.



PLANT OF THE INDIANA WIRE FENCE COMPANY.

Columbia Desk Calendar.

For ten years the desk calendar issued by the Pope Mfg. Co. has held an unique place among business helpers. Each daily leaf during that time has taught its quiet lesson of value of better roads and outdoor exercise, and especially the benefits of bicycling. The calendar for 1895, which is just issued, is even brighter than its predecessors in appearance, as clever artists have added dainty silhouette and sketch to the usual wise and witty contributions that have heretofore given this popular calendar its charm. It can be had for five 2-cent stamps from the Pope Mfg. Co., Hartford, Conn., or from any Columbia bicycle agency.

Tower & Lyon, No. 95 Chambers Street, New York, have become sole agents for the Gwinner Mfg. Co., of Hamilton, Ohio. The manufactures of this last named company are well known, having been presented to the trade through the columns of HARDWARE continuously for several years past.

Ignatz Koblitz, Cleveland, Ohio, has commenced suit for $8000 damages against the Grasselli Chemical Works, located near his store. He alleges that the fumes from the works injure not only his health, but also do constant and continuous damage to his stock.

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Fifth Annual Dinner of Sickels, Sweet & Lyon.

The annual dinner given by Sickels, Sweet & Lyon, No. 35 Barclay Street, New York, to their employees on the evening of December 27th, proved a most enjoyable affair. Covers were laid for about forty guests in the ladies' dining-room of the Hardware Club. The tables were tastefully decorated with smilax, and candelabra with red shades spread a pleasant glow over the assembled company. The menu did credit to the hospitality of the popular firm:

Oysters, Puree, Chantilly Consomme
Celery Olives Radishes
Filet of flounders, Joinville Potatoes duchesse
Filet of beef larded, Madeira sauce
Potatoes chateau Stuffed peppers
Bouchees of sweetbread a la reine
French peas
Punch Alaska
Roast quail on toast, chicory salad
Plum pudding, hard and brandy sauce
Neapolitan ice cream
Mottoes Fruits Assorted cakes
Cafe Cigars

The assemblage were honored by the presence of several ladies, Mrs. Simpson, a daughter of Mr. Sickels, and Mrs. and Miss Sweet being in attendance. They occupied a small table in the centre of the room. Messrs. Sickels, Sweet and Lyon were all present, as were Mr. Simpson, Mr. Sickels' son-in-law, William H. Williams, president of the Hardware Club, and E. L. Hulbert, of the Cortland Door & Screen Co., of Cortland, N. Y. It was a merry gathering, and one and all enjoyed themselves hugely. When the coffee and cigars were brought in, Mr. Sickels introduced Mr. Williams, who responded to the following effect:

"I feel honored by the kind invitation to attend this dinner, extended to me by Messrs. Sickels, Sweet & Lyon, and I thank you all for your kind attention. I have met the majority of you in business, and hope to meet you many more times. I think it is a good thing for the members of a firm to meet their employees occasionally, as it creates a better feeling between them and makes a better business team."

When the ladies arose it was a signal for the party to break up; some went into the library to finish their cigars, and others went home. This is the first of these dinners given at the Hardware Club.

Hardwaremen "On The Bowery."

Despite Lexow committees, despite the wave of reform that has struck this city, and despite the lament of the men who lived in the "good old days," that New York "ain't what it used to be," the people on that world-famous thoroughfare, the Bowery, still continue to "do such things and say such things," and William F. Hubinger will bear witness to the fact, that the lot of a Bowery Hardware merchant is not always a happy one.

Mr. Hubinger's establishment is at No. 350, and his thirty-five years' experience on that remarkable street, would lead one to believe that he was thoroughly acquainted with all the characteristics incident thereto. His latest and most lasting experience, however, has convinced him that experience does not count for much, and that the dear old Bowery constantly has one or two tricks up its sleeve that will astonish even the oldest resident. Mr, Hubinger says it was like this:

"I was closing my store Friday evening, December 21st, when two men came in and asked to see some shovels. After selecting one, and bargaining for the price, instead of pulling out the money to pay for it, they pulled out pieces of iron pipe incased in garden hose, and struck me two heavy blows on the head, which dazed and almost stunned me. My cries of Murder! Police! frightened the toughs to such an extent that they ran out and slammed the door." Mr. Hubinger's wounds were dressed at a drug store. He is sixty-seven years old, and only his vigorous constitution prevented his injuries proving more serious. He made no complaint to the police because, as he says, he has lost faith in them since his house was robbed of considerable silverware and a sum of money which he had to pay his taxes with, some three weeks before the unpleasant experience at his store. Another feature peculiar to the Bowery was brought out in a conversation with Mr. Hubinger—he says he does not have a large trade in firearms, as the average Bowery youth prefers to make all such purchases in the pawn shops.

Goods Stolen En Route.

Quite a large number of jobbers in this city are aware to their sorrow, that a condition of affairs exists in the wholesale trade which should be quickly investigated and changed. Merchants and Hardwaremen especially have looked into the matter, and are anxious to put a stop to the system of wholesale robbery and pillage to which they have been subject, under the abuse of the powers of the Interstate Commerce laws. A. H. Saxton, of Alfred Field & Co., No. 93 Chambers Street, was interviewed by a HARDWARE reporter as one qualified to give information on the subject, the firm of which he is a member, having suffered heavily. He said: "For the last three or four years, and especially since the operation of the Interstate Commerce law, which allows the opening of packages for the purpose of ascertaining if the classification is correct, there has been going on a system of petty thieving on most of our transportation lines. I can, of course, only speak for Hardware dealers, but I have heard that other trades suffer in a like manner. We are positive that the goods are stolen by the employees of the transportation lines, as we have had detectives watch those of our own employees whom we thought might be able to steal the articles. The boxes or cases are opened from either the top or bottom, and small quantities of goods taken from the inside coverings or paper boxes. The cases are opened with such cleverness that there is hardly any evidence of their having been tampered with. The thefts have generally been small, but in some cases they have reached close upon a hundred dollars. Our firm has suffered considerably. Two cases containing a dozen knives valued at $10, were sent to Milwaukee, and the empty boxes were returned to us, the knives having been stolen en transit. Another case containing ten dozen knives was sent via the Delaware & Lackawanna Railroad to a house in Pennsylvania. When the case reached its destination, the house refused to accept it, as it contained only straw. Applications for redress are treated with supreme indifference, and almost rudeness, by the officials of the transportation companies. There is some talk among the merchants of forming a mutual protective association, and out of a common fund bring suit against the transportation companies for all thefts traced to the companies' employees."

The Sickels, Preston & Nutting Co., Davenport, Iowa, have issued as a Christmas souvenir a very handsome series of art studies, in copper etchings from recent paintings. They are six in number, and measure 11x14 inches, are printed upon very heavy paper, and tied together by a red knot. The pictures presented are reproductions of famous oil paintings, and are printed upon the very heaviest cardboard, and finished in a very highly artistic manner. The souvenir makes a very handsome Christmas present, and reflects credit upon the well-known house by which it has been issued.

Manager Osgood, of the Keating Wheel Co., Holyoke, Mass., has devised a unique guide for those who are unfamiliar with the names of the different parts of a modern bicycle. The picture shows a dissected Keating; every part numbered and named. Send for it.

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A Jersey Hardwareman's "Fad."

EDITOR HARDWARE: The Rev. Hunter Hoon is a meek little man, and like many rural divines adorns himself in short trousers and large gaiters. While these articles are accepted the world over in almost irrefutable proof of an abiding innocence of mind, they do not, it must be admitted, add to that reverence which the clerical wearer has a right to expect from even the ungodly sons of New Jersey. Without this endorsement of clothes, however, Mr. Hoon would be picked out as a meek man, and he certainly can be browbeaten out of countenance upon the thousand and one things which come up in the talk of daily life. But there is one point upon which not even his wife, sharp and overbearing as she certainly is, can stir him from the high platform of ministerial dignity. He has a reverence for the Cloth, and is determined that all men shall reverence with him. He draws it about him in his official character, wraps himself up within it as it were, and is determined that those about him shall duly respect it, however little they may care for the meek old gentleman within it.

It was this high purpose of mind that gave him courage the other evening to gently chide his leading official, Deacon Buttles, a retailer of Hardware in our neighborhood, as they walked away from Little Silver toward their homes in the fair moonlight of the early winter night.

"My friend," said he, as he placed his hand upon the Deacon's arm, "we all love to see you arise in our gatherings for prayer, and we allow you to verbally browse around, as it were, in about all the fields of thought that a churchman has a right to enter, but there is one of them regarding which my duty to the Cloth compels me to call a halt. I am the minister here, ordained and duly installed in accordance with the rules of the church. I cannot and I will not have you encroaching upon my premises and interfering with my theology."

"Why, parson," stammered the surprised Buttles, "I'm the last man on this earth ——."

"Yes, yes, I know you would not do it by intention, or from any motive of ill will. But you must impress this upon your mind: I teach my people here that when they are once dead and buried they are done with the things of earth, and have beyond all question gone to happiness above or punishment below; and I won't have you disturbing their minds by suggesting a possibility of return by means of a lot of pulleys and switchboards and insulators and monkey-wrenches and cranks. Earth to earth, says the good book, and when a man gets into this warm and comfortable red earth of New Jersey under my helpful administrations, he must stay there. How can I be consistent, or any of us orthodox, if he does not? I don't care how much you interfere while the doctor and the undertaker have things within their charge, but after they are officially turned over to *me* I want you to let them alone."

"Certainly, most certainly, Brother Hoon, I may have referred to the question of premature burial once or twice, but I shall be careful—very careful in the future. But that reminds me of an instance I heard yesterday. A cooper over in Middletown was thought to be dead, and they shaved him and laid him out and put ice under him ——."

Then, with a firm grip upon the arm of the now helpless little minister, the good deacon walked him on and on, down past his own door, and at least a mile and a half upon the Long Branch road and home again, telling him premature burial stories all the way.

The above truthful incident introduces Ironmonger Buttles and the queer trend of mental action which has marked him as odd among his fellows. He is one of the cheeriest, happiest persons in New Jersey, and yet he is continually talking about the chances of being buried alive.

Not with a morbid view, for he is one who cannot touch any theme, however dark, without shedding a ray of his personal sunshine upon it. He discusses this gruesome question in all seriousness, and with the air of one who has not only given it considerable study but regards it worth studying. He certainly has not imbibed it from his occupation, as he is the most cheerful ironware seller in New Jersey. He was never buried alive, and no friend of his ever suffered such experience. Nor is it a matter of recent suggestion, for to my personal knowledge he has harped upon the one string for fully fifteen years.

I asked him once: "Deacon, why talk so much about it?"

"Do I?" he responded in innocent amazement. "Do I say more about it than other men? Well! well! I mention it now and then because it happens to strike me, that's all."

He had one of his strokes then. He was burdened with a long and ghastly story of a supposed dead man who was locked away in the family vault, and nearly severed his hand from his arm in breaking the glass of the coffin lid, and almost bled to death before the cemetery watchman heard his cries. I recognized it immediately as the bold romance of some Frenchman, but he gratefully took it all in as the truth.

Returning to my investigations, I asked: "Do you talk of these things because you are afraid? Have you any provisions in your will as to the tests which must be made upon your own body before it can be committed to the earth?"

"Afraid!" he echoed, with the same old innocent look. "Why, I never thought of it! No, I am not more afraid than other men. Do you know of many fellows who have such provisions in their wills?"

He has been known to spring a question as to the percentage of premature burials on the clergyman who came to the house to celebrate his daughter's marriage. He elicited the somewhat tart response from the surprised clergyman that "while he had performed the final rites over some fourscore of people, not one of them, thank Heaven, had come back to complain of the proceedings or hint at irregularities."

He nearly drove the doctors of New Jersey crazy years ago, and now, when one of them sees the good deacon marching down the street, covered with smiles and loaded with burial statistics, he goes around a ten-acre block rather than meet him. He has been known to haunt the Red Bank lock-up for hours, for the chance of talking with a man arrested for robbing a cemetery; and actually offered the prisoner a chance for work when his time was up, which the fellow very discreetly refused, because he was not anxious to spend his leisure hours in discussing a point about which he had reason to be sensitive.

About a year ago he had a New York lawyer make a search of the patent office records to discover what inventions there were by which the resuscitated body in the coffin could notify the friends upon earth that it was ready to return to the walks of life. It cost him a little sum, but he paid it willingly. He worked for some months upon an invention of his own by which the buried and revived could touch a button, or turn a knob, or pull a handle, and make noise enough to wake the permanent sleepers about him: but the lawyer told him there was no money in it, and advised him to send his model to an undertaker's museum and leave it there.

As the Rev. Hunter Hoon said to me only yesterday: "Can any student of occult things, any philosopher of a mortuary turn of mind, any student of the minor manias, tell me why Brother Buttles' simple and childlike mind should have taken this mouldy turn; why an innocent purveyor of Hardware should harp in season and out upon this ghastly string?" I was compelled to give it up.

A JERSEYMAN.

LITTLE SILVER, N. J., Jan. 5, 1895.

The Dean Linseed Oil Co., No. 181 Front Street, New York, are sending their friends a handsome morocco wall calendar case, with cards for each month of the year. It is a neat and attractive souvenir of the holiday season.

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Arms for the New York Militia.

General Curtis, of New York, is trying to have the militia laws amended by striking out many provisions that have stood since 1792, when the first militia law was established. If the New York citizen-soldiery should ever appear equipped as the existing statutes compel them to, a wide smile would spread over the State from Gardner's to Grand Island. Instead of the modern and familiar equipment which the boys in blue really do have, read what the law compels them to have. Section 1628 of the Revised Statutes reads: "Every citizen shall, after notice of his enrollment, be constantly provided with a good musket or firelock, of a bore sufficient for balls of the eighteenth part of a pound, a sufficient bayonet and belt, two spare flints, and a knapsack, a pouch with a box therein, to contain not less than twenty-four cartridges, suited to the bore of his musket or firelock, each cartridge to contain a proper quantity of powder and ball; or with a good rifle, knapsack, shot pouch, and powder horn, twenty balls suited to the bore of his rifle, and a quarter of a pound of powder, and shall appear so armed, accoutered, and provided when called out to exercise or into service, except that when called out on company days to exercise only, he may appear without knapsack, and all arms, ammunition, and accoutrements so provided and required shall be exempted from all suits, distresses, executions, or sales for debt or the payment of taxes. Each commissioned officer shall be armed with a sword or hanger and spontoon."

First Sportsman's Exposition.

The First Sportsman's Exposition to be given in May, 1895, from the 13th to the 18th inclusive, at the Madison Square Garden, under the auspices of the Sportsman's Exposition Association, promises to be of great interest to the trade and the sporting world generally. The chance to see and learn about the latest devices in sporting appliances will be unequaled, as the exposition will be one of the finest of its kind ever seen in this country. The official connection of such men as Charles Tatham, J. A. H. Dressel and Frederic S. Webster, with the affair, is a guarantee for its success. The following firms have been allotted space up to date, and will make fine exhibits:

Winchester Repeating Arms Co., Hartford, Conn.
Bridgeport Gun Implement Co., Bridgeport, Conn.
United States Net & Twine Co., New York.
Gas Engine & Power Co., Morris Heights, New York.
Union Metallic Cartridge Co., Bridgeport, Conn.
Cleveland Target Co., Cleveland, Ohio.
Spratt's Patent (America), Limited, New York.
Forest and Stream Publishing Co., New York.
Freed Optical Co., New York.
Von Lengerke & Detmold, New York.
Schoverling, Daly & Gales, New York.
E. I. Dupont de Nemours & Co., Wilmington, Del.
Cushman & Denison, New York.
William Lyman, Middlefield, Conn.

A Sign.

One of the first things that a manufacturer or merchant does when he goes into business is to put out a sign, so the public can locate him and know what goods he deals in. This is justly looked upon as a necessity. Following the thought a little further, what is an advertisement but a sign? —a traveling sign going regularly before buyers, just as traveling salesmen do, only where a traveling salesman can visit tens, a traveling sign or salesman visits thousands. In point of fact, each supplements the other. The traveling sign introduces the goods of the traveling salesman; the traveling salesman follows up and enforces the work of the traveling sign. The traveling salesman sometimes cannot get the attention of the buyer; the traveling sign is always waiting and reaches the buyer's attention when he has time to read and think. If merchants appreciated their opportunity and the mine of wealth lying before them, when intelligently worked, they would run after publishers, seeking an oppartunity to place their signs before the people, instead of publishers running after them and soliciting them to advertise.—*American Grocer.*

Phosphor-Copper and Bronzes.

Phosphor-Copper and Phosphor-Bronzes are being more and more extensively used. The peculiar change which copper and bronzes undergo when fluxed with phosphorus are not well understood, but the effects are fully appreciated, strength and toughness are increased and liability to corrosion decreased. For these reasons Phosphor Bronzes are being used very largely in marine and railway construction. The charging of the phosphorus into the molten metal must be done with considerable system and care. This part of the operation may be safely and easily accomplished by the aid of phosphorus chargers or phosphorizers made of plumbago. The Jos. Dixon Crucible Co., Jersey City, N. J., who make plumbago goods in great variety for metallurgical purposes, also make these phosphorizers in different sizes, suited to the size of the crucible in which the fluxing is to take place.

A Change of Name.

At a meeting in Wheeling, W. Va., of the stockholders of the Junction Iron Co., some days since, important action was taken. This company recently purchased the interest of the Laughlin Nail Co. in the Laughlin & Junction Steel Co.'s works at Mingo Junction, and the new acquisition led to a change of the company's name and an increase of the capital stock. The directors were authorized to apply to the Secretary of State for the right to increase the capital from $400,000 to $600,000, and to change the name to the Junction Iron & Steel Co. The company, with this new property, will be one of the most extensive in the country, and with enlarged facilities will give Mingo quite a boom in a business way. The future plans of the new company have not yet been given out definitely, but it is understood that specialties as well as nails will be manufactured.

They Handle Crawford Wheels.

The Crawford Mfg. Co., No. 72 Reade Street, New York, with factories at Hagerstown, Md., have demonstrated to their entire satisfaction that the Hardware trade is greatly interested in bicycles. The following list of their agents is a positive demonstration of that fact:

Bigelow & Dowse Co., Boston, Mass.
Stauffer, Eshleman & Co., New Orleans, La.
Simmons Hardware Co., St. Louis, Mo.
Sharpleigh Hardware Co., St. Louis, Mo.
Julius Andrae, Milwaukee, Wis.
Wier & Wilson, Baltimore, Md.
Farwell, Ozmun, Kirk & Co., St. Paul, Minn.
McIntosh-Huntington Co., Cleveland, Ohio.

Colonel George Pope Succeeds His Brother.

A change will take place in the make-up of the executive board of the Pope Mfg. Co. early in the new year, brought about by the resignation of E. W. Pope, the company's treasurer. Mr. Pope has filled the position of treasurer for nineteen years, and during that time applied himself with ceaseless energy in advancing the interests of the company. His retirement is due to his disinclination to work as hard as he has in the past. He will still be a member of the board of directors, and will take a great interest in the business. Mr. Pope is a well preserved man of about fifty years, with a pleasing open countenance, and a magnetic character. His brother, Colonel George Pope, will succeed to the treasurership of the Pope Mfg. Co., and will also continue as president of the Hartford Cycle Co.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

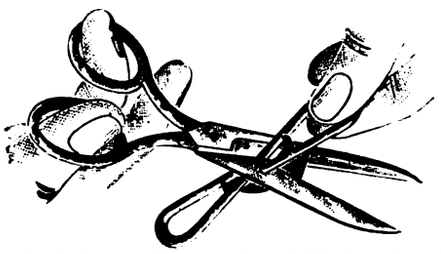
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

"Handy" Scissors Sharpener.

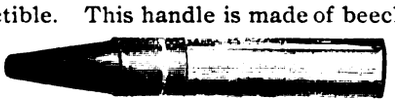
David Eastman, No. 64 Reade Street, New York, is placing upon the market the "Handy" Scissors Sharpener here shown. It is described as "based on sound mechanical



principles, and made by skilled toolmakers." The method of operation is described as follows: Open the scissors wide, place the centre of the bar of the Sharpener between the blades close to the rivet, with the sides of the scissor blades against the two ends in centre of Sharpener. Be careful that the blades rest on the centre bar, between the ends, before closing the scissors; otherwise they will not be sharpened. Cut the centre bar, and at the same time draw the scissors entirely off the Sharpener, firmly pressing the sides of the blades against the two ends all the time; repeat until sharp, ending with light strokes. The best results will be obtained by slightly oiling or greasing the blades. When once sharpened, a few gentle strokes will suffice to keep them in order." Prices, etc., will be sent upon application.

Phippen's Indestructible Chisel Handle.

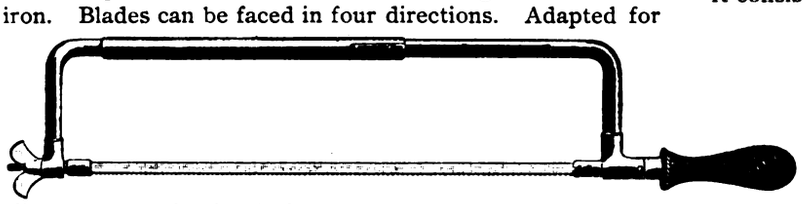
The Phippen Co., No. 160 Salem Street, Lawrence, Mass., are placing on the market a Chisel Handle that they claim is indestructible. This handle is made of beech wood, with



a heavy brass band enclosing 3½ inches of its length. The wood at the top is left exposed to the blow, in such a manner as to give a combined strength of wood and metal sufficient to resist the heaviest blow." All information can be had by addressing the Phippen Co.

Adjustable Hack Saw Frame.

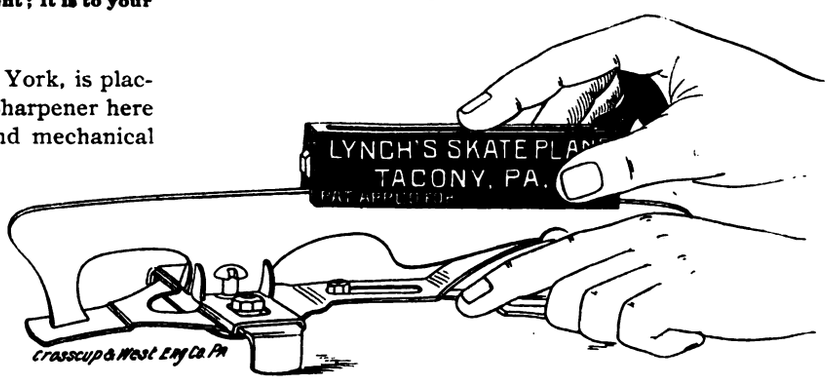
The Amidon Tool Corporation, Nos. 1445 to 1451 Niagara Street, Buffalo, N. Y., are placing upon the market an Adjustable Hack Saw Frame. This frame holds blades from 8 to 12 inches in length, and is "readily adjusted, very stiff, light in weight, and handsome in appearance, is made of the best tempered steel, seamless steel tubing and malleable iron. Blades can be faced in four directions. Adapted for



all purposes and suitable for cutting iron, steel, brass, bone, etc." For prices and further information address the Amidon Tool Corporation.

Lynch Skate Plane.

The illustration here given shows a Plane for sharpening and concaving skate runners, patented by Wm. B. Lynch, Tacony, Philadelphia. It consists of a hollow frame of iron of a shape to easily fit over a skate or runner. There is a ledge or shoulder at each inside upper end of the frame, against which rests a small four-sided file, held in position by a set screw. The file has one convex and three flat surfaces. The Plane is placed on the runner of a skate, held



runner uppermost on a board or edge of a table, and the full length of the runner from heel to toe is planed in the ordinary manner. It is claimed that "the plane will concave a runner as well as giving a square surface, and will do away with the use of an emery wheel or grindstone." The plane is neatly nickel-plated, and retails for twenty-five cents.

New Seamless Milk Can Neck.

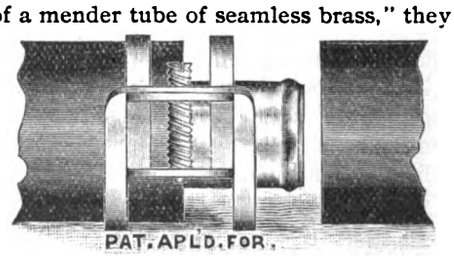
The Chicago Stamping Co., Congress and Green Streets, Chicago, Ill., are manufacturing a Seamless Milk Can Neck. The manufacturers claim for this neck many advantages: "There are no seams to solder or to come unsoldered; it is



always of one size and fit; there are no edges or joints to rust; no bowl to work loose; strengthens the weakest part of a can; is perfectly smooth inside and out. This neck is made of heavier material than pieced necks, and open hearth steel is used exclusively, in order to secure can stock proof against cracking."

Double Clinch Hose Band and Mender.

The Clayton & Lambert Mfg. Co., Ypsilanti, Mich., are offering to the trade the Hose Band and Mender here shown. "It consists of a mender tube of seamless brass," they say,



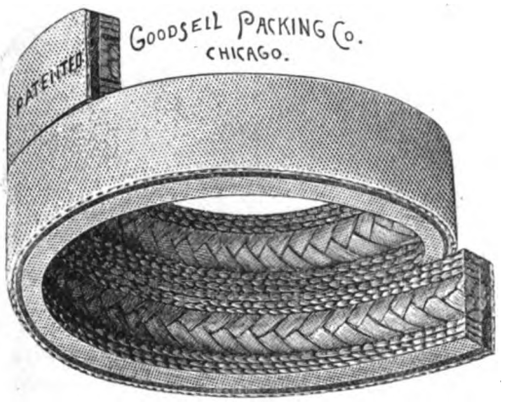
"which is placed inside the hose, and a double metallic band with a brass set screw. The brass tube is easily adjusted, giving a full opening for the waterflow, and does not rust. The screw cannot be detached from the band, which can be removed and replaced any number of times. The

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screw never becomes set by rust, and a knife or screwdriver are the only tools required to mend a hose with." The makers also claim that the Mender is light, strong and easily affixed, and that it may also be used to fasten couplings, nozzles and other hose fixtures. The Menders and Bands are made in ½, ¾, 1, 1¼ and 1½ inch sizes. Samples and price will be sent free by the manufacturers.

Goodsell's "Dollar" Packing.

This packing is designed for piston-rods, pump-plungers, etc., and consists of a combination of braided flax and



woven duck, the whole being supported by a rubber cushion placed behind the weaving surface. The grouping of these materials in this way, the manufacturers claim, is "the best for the purpose and the cheapest. The flax acting as a reservoir for oil and moisture, is supported by a firmer material upon either side, both being kept in contact with the rod by regulating the gland. Made in coils 15 feet long in sizes from ⅜ inches to ¼ inches." It is manufactured by the Goodsell Packing Co., No. 20 West Lake Street, Chicago, Ill.

American Knife Sharpener.

The Mossberg Wrench Co., Attleboro, Mass., are offering a Knife Sharpener, as shown in the illustrations here given. Fig. 1 shows how a knife is sharpened, and Fig. 2 how the Sharpener is used when a pair of shears are sharpened. The

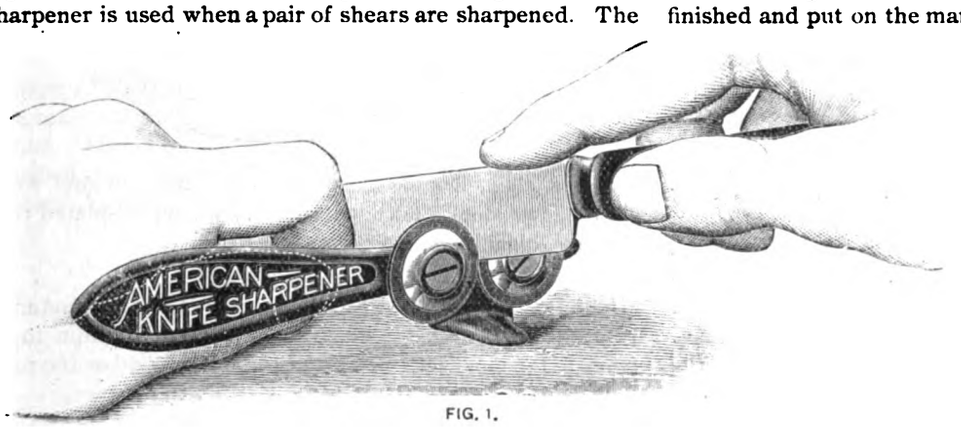


FIG. 1.

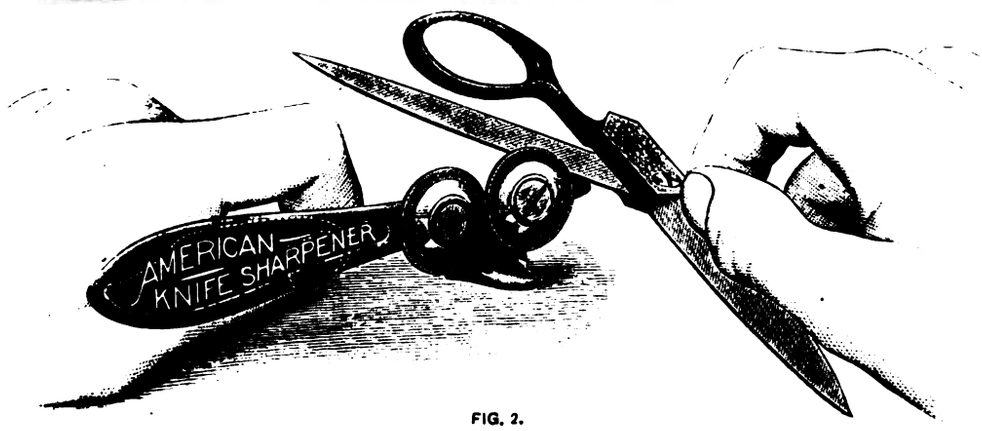


FIG. 2.

essential feature, as claimed by the maker, is the "butting up together of the steel washers, making the two edges of the cutters directly opposite each other, and that do not overlap. The steel washers may be revolved to present new cutting surface, by loosening the screws." The manufacturers also state that a razor edge may be given to knives. Shears are sharpened by using the projecting end furthest from the handle to rest the blade on. The company furnish the Sharpener nickeled, japanned or tinned, also in silver and silver-plate.

New Window and Door Screens.

Those veteran screen makers, the A. J. Phillips Co., Fenton, Mich., who have originated a great many of the best

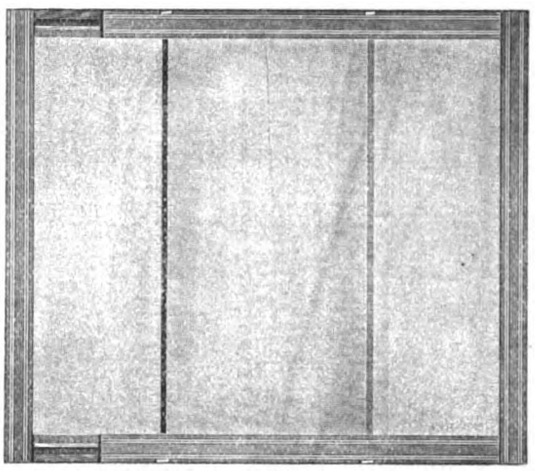


FIG. 1.

patterns of Wire Screens which are now so generally used, are again on deck the coming season with something new. They have a new Window Screen bearing the very suggestive name of "Flyer" (Fig. 1.) In this screen they claim that their object has been "to do away with centre bars and sideboards, which in most screens have been used for securing adjustment, and eliminate particularly all obstructions to the view, and to make as nearly as possible, a screen like the high priced solid screens which are made up to order." The goods are to be made from hardwood, finely finished and put on the market for high grade screens. The

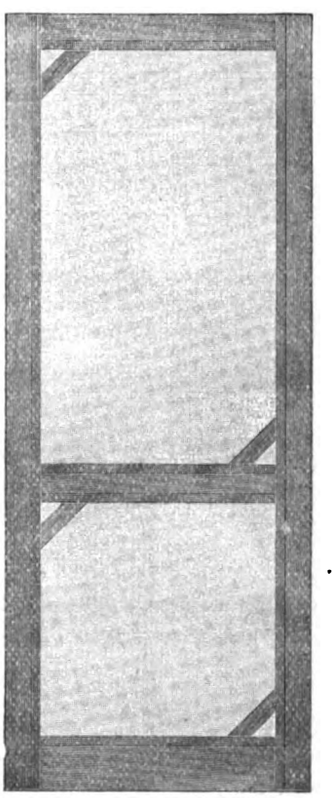


FIG. 2.

screen will be protected by patents. The Standard Oil Pattern Screen Door (Fig. 2) is produced with a view of making a very low priced fancy Screen Door in natural finish. The pattern is modest and neat. The A. J. Phil-

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lips Co. have a high reputation for good work, and have met with great success in supplying the trade. Full particulars as to these goods and others will be gladly sent by them to any who are interested.

Stropine: A Razor Dressing.

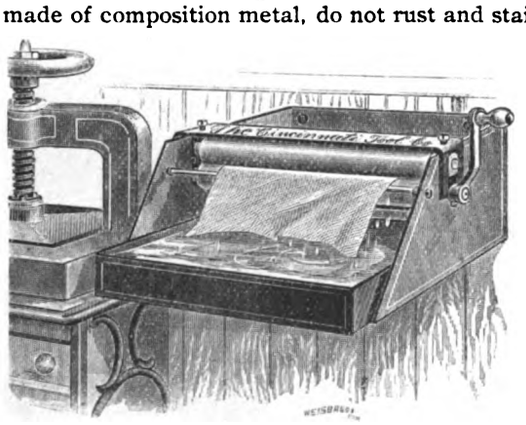
The Stropine Co., No. 62 Purchase Street, Boston, Mass., are placing upon the market Stropine, a razor strop dressing. They declare that by its use a razor can be kept sharp,



and that it "will sharpen the dullest razor, giving a smooth cutting edge; will keep it sharp without honing. Warranted not to injure the finest razor." They further recommend it "for surgical instruments, penknives, ink erasers, and all tools requiring a razor edge." The directions for use are: Scrape off the old dressing, and apply a good coat of Stropine. Rub well into the strop, making a smooth surface. Strop well; finish by using plain leather side. The accompanying illustration shows the method of packing so that the article can be well exposed for sale. A strong pasteboard box, about eight by twelve inches in size, holds a dozen packages of Stropine, securely held by wires, and making a neat and attractive display. The manufacturers will be pleased to send information, prices, etc., upon application.

Perfection Blotter Bath.

The Cincinnati Tool Co., Cincinnati, Ohio, are offering the trade a new Blotter Bath, for use in copying correspondence, invoices and general office work. The makers claim that "this bath can be attached to a table or to the wall; the water pan is removable, light and easily cleaned. The bath is made of the best galvanized iron, and the boxes, being made of composition metal, do not rust and stain the



cloths. The bath is nicely finished, the arch being nickeled; the rollers are of the best solid white rubber." List price, $10 each.

New Mincing Knife.

A. S. Henn & Co., manufacturers of light Hardware, New Haven, Conn., are placing upon the market a new Mincing Knife, illustrations of which are here given. Fig. 1 shows the single blade, and Fig. 2 the double blade mincing knife. The manufacturers claim "that the band or support of steel forced around the wooden handle not only strengthens

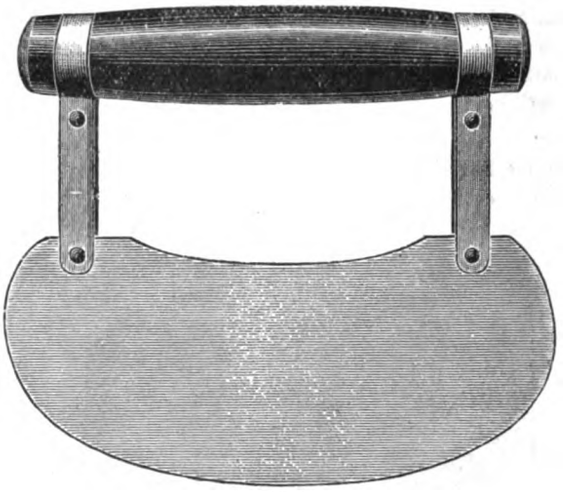


FIG. 1.

it, but prevents the handle from cracking, and makes it impossible to come off." These knives are made with nickel-plated tips or fully nickel-plated. The prices are: Daisy Mincing Knife, enamel wood handle, steel blade, per gross, $19.88; nickel-plated tips, per gross, $24; full nickel-plate,

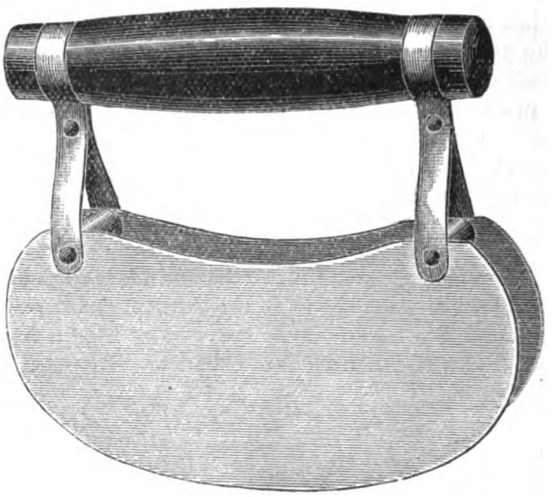
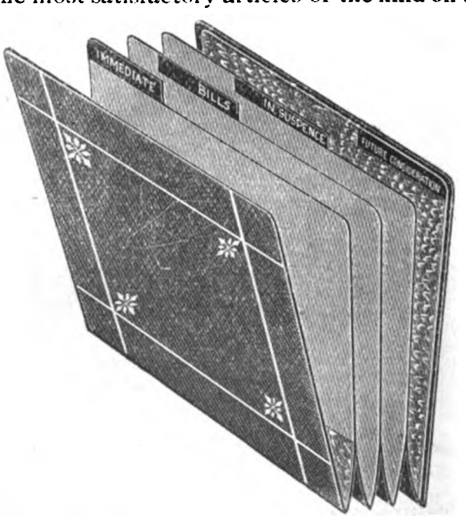


FIG. 2.

per gross, $34; Double Daisy Mincing Knife, enamel wood handle, two steel blades, per gross, $30; nickel-plated tips, $34; full nickel-plate, per gross, $42.50.

A Portfolio Rack.

The Peoria (Ill.) Printing & Stationery Co. manufacture a Portfolio Rack as here illustrated, which they claim to be "one of the most satisfactory articles of the kind on the mar-



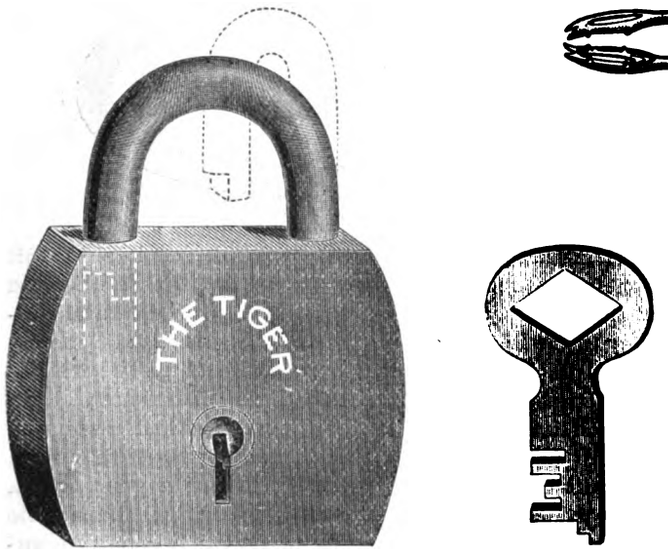
ket." It is substantially made, 6x10 inches in size, and will expand to a thickness of six inches. Some of its advantages as enumerated by the makers are: "It classifies all papers.

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Keeps your desk clean. Keeps correspondence from curious eyes. It is very accessible and neat in appearance. It will last for many years, being made of the best material. The time and trouble it will save you will pay for a dozen. It is divided into compartments marked Immediate, In Suspense, Future Consideration, and Bills and Statements. The price is $1 delivered."

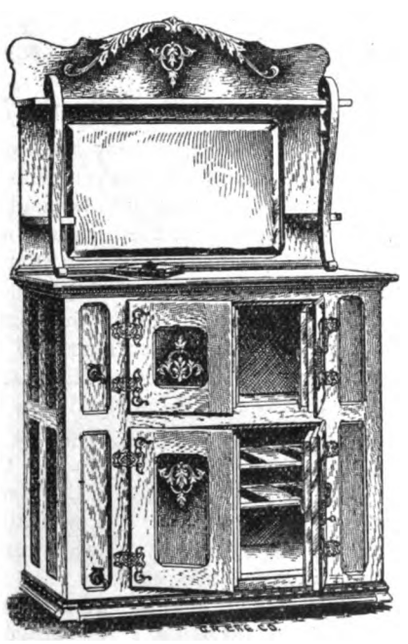
The "Tiger" Padlock.

The illustration here given shows the "Tiger" Padlock, manufactured by the Miller Lock Co., Frankford, Philadelphia, Pa. The manufacturers claim that this lock "is cheap, strong and attractive; made of steel or brass. Each lock has two brass tumblers, and two plated steel keys, of a good shape and thick enough to be substantial. Packages contain one-half dozen, with six changes. The figure on each lock shows its change; twelve changes are available." An examination of a sample "Tiger" sent us, shows that the claims of the makers are fully carried out.



New Sideboard and Refrigerator.

The Grand Rapids Refrigerator Co., Grand Rapids, Mich., whose Leonard Cleanable Hardwood Refrigerators are known wherever ice can be handled or made, are placing upon the market a new No. 34½ Sideboard and Refrigerator combined. It is in all respects described as being arranged and finished in the high state of perfection to which these refrigerators have attained. It is made in solid oak highly polished, and has a beveled plate-glass mirror 18 x 30 inches in size. It has also a water-cooler with an opening in the deck of the refrigerator, which prevents the drinking water from being contaminated by flavors from the food. There is a tank to retain the drippings inside the refrigerator, obviating the necessity for a drip pan. We are permitted to illustrate this new article in this connection, and information as to prices, etc., will be gladly furnished upon application to the company at the address above named. The company inform us that their line of Sideboard Refrigerators is very complete, and that the styles are all new for this season.



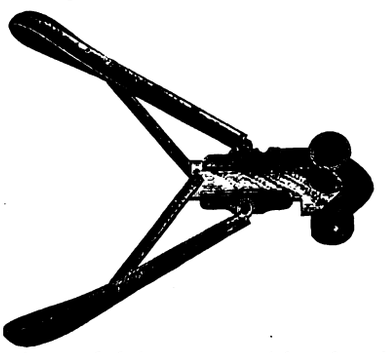
Reimer's Pig Forceps.

Reimer's Perfection Pig Forceps here shown, are supplied to the trade by Hibbard, Spencer, Bartlett & Co., Chicago, Ill. They are described by the makers as "superior to all others, and noted for simplicity and strength." These forceps are made of malleable iron, nicely finished in tin, and are 19½ inches long. "They sell themselves wherever shown," says J.N. Reimers, the manufacturer, Davenport, Ia.



The Simplex Lead Pipe Cutter.

The Simplex Lead Pipe Cutter, illustration here given, is made with a blade of tempered steel ground to a sharp point, with keen edges. A slight pressure suffices to puncture the pipe, after which in the progress of the cut, the blade cuts entirely from the inside outward, thereby not crushing the pipe and doing away with reforming the ends of the pipe. The manufacturers claim that "this method is superior to sawing, as it leaves no chips in the pipes to endanger the valves and faucets." For sale by the manufacturer, Robert D. Wardell, No. 1359 W. Jackson Street, Chicago.



"Sensible" Sash Balances.

N. R. Streeter & Co., Groton, N. Y., are offering the Sash Balance herein illustrated. The manufacturers state "that the peculir construction used in this balance enables it to take care of a variation of four or five pounds in the weight of a sash, instead of two pounds, which is considered the limit. It runs smoothly, because the bearings and points of contact are milled, and there are no rough surfaces working against each other. The brake is rolled steel working against turned iron, and cannot be tightened sufficiently to buckle the tape, nor will increased tension break any part of the balance." Fig 1 shows the "Sensible" balance. Fig 2 a rear view of the same.

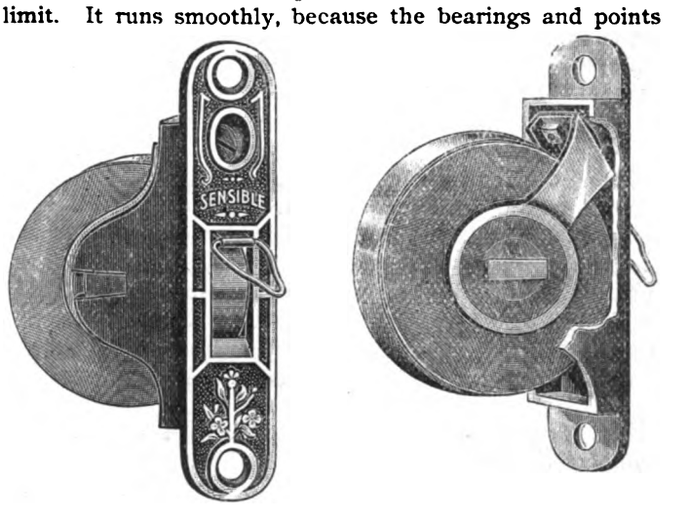
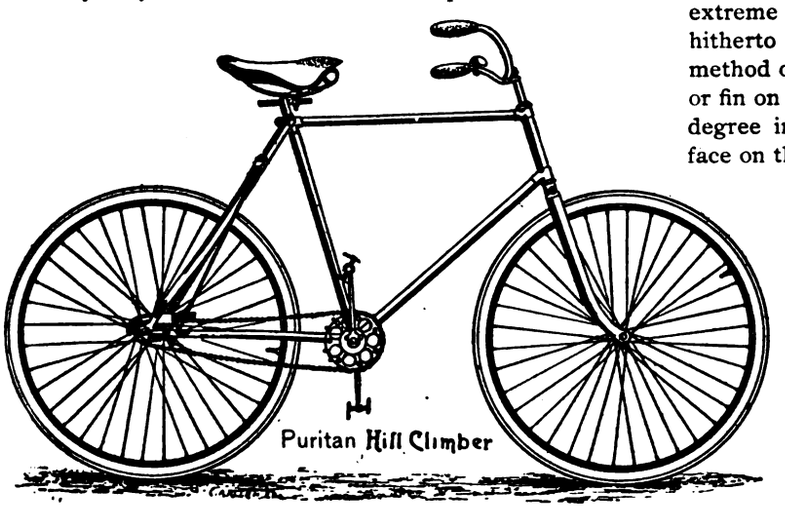


FIG. 1. FIG 2

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O. J. Faxon & Co.'s Line For '95.

O. J. Faxon & Co., Nos. 3, 5 and 7 Appleton Street, Boston, have announced their line of "Puritan" High Grade Bicycles for this season, and permit us to present some points concerning the same, as follows: "We intend," they say, "to place on the market for the coming season a line of fine wheels. Our model 'G' will be a full road wheel weighing 25 pounds, for general riding and touring purposes. Our model 'H' will be fitted as a road racer, weighing 21 pounds, high frame, large balls in the bearings and thoroughly up to date as a wheel for the average club man or the rider of experience, to be used over all reasonable roads and under all reasonable conditions. We guarantee it to be right up in front every time. Our ladies' wheel, with special mud guards of our own design and make, weighing 25 pounds, for ladies, used under all conditions, and a tandem weighing 40 pounds, built on the most advanced lines of design, to be a powerful machine and a fast one; and last, but not least, our special two-speed wheel the 'Hill Climber.' (See illustration.) This wheel can be geared to suit the taste of the rider, and it can be geared from 63 to 72 for riding on level roads, and by touching a lever the gear can be instantly changed without dismounting from 45 to 56, as the case may be. At this low gear it is a very easy matter to climb the steepest hills that one may meet in touring. The great advantages of this wheel may be readily seen, as there will be no more walking hills, particularly with the ladies, to whom hill climbing is a great tax. By the use of this two-speed gear the average rider is enabled to ride a much higher gear than he would ordinarily for level road riding, feeling that he has a reserve for hill climbing constantly at hand. This device is very simple in its action, adding but about one pound to the weight of the machine, and is thoroughly protected from dust by an aluminum case that fits closely around the gear."



The entire nail plant, including engine room, packing room, warehouse, rolling mill, nail factory and machine shop of the Van Alen Brothers, Northumberland, Pa., was totally destroyed by fire on December 29th. The loss is estimated at $100,000; partly covered by insurance. Forty thousand kegs of nails were burned. The Van Alen mill was built in 1865, and has run continuously. Two hundred and fifty hands are thrown out of employment.

The partnership between Harry W. Tufts & E. Herbert Skinner in the Snap & Tool Co., Attleboro, Mass., was dissolved on December 28, 1894, by the withdrawal of Mr. Skinner. The business will be continued under the same name by Mr. Tufts.

The Moore Bolt Works, Hartford, Conn., have increased their hours of labor to nine hours a day and six days a week. The mill has been running short hours for some time.

The League Tire.

The illustrations here given show the League Tire, manufactured by the New York Belting & Packing Co., No. 15 Park Row, New York. Fig. 1 shows the tire inflated. Fig. 2 shows it deflated. The makers state that up to the present time, all inner-tube tires, of the cemented variety, have been made in molds. "In vulcanizing under this process a very high pressure is used, which stretches and weakens the fabric, driving the rubber into its meshes and depriving it of its natural elasticity. The inevitable result is the loss of resilience. In the League Tire we offer the trade and the cycling public a tire in which the natural elasticity of the fabric is unimpaired. It is vulcanized by an improved process that prevents injury to the fabric. There is no stretching, straining or weakening during manufacture. With extreme lightness it combines a durability and a strength hitherto unattainable. Further improvements, due to the method of manufacture, are the absence of any mold mark or fin on the tread, which mars the appearance, and in some degree increases the friction, and a cloth impression surface on the under side next the rim, to which the cement adheres better than to a smooth surface. Add to these advantages, rubber and fabric of superior quality, workmanship the best at our command, a beautiful silkiness of texture, and a pliability never before seen in a pneumatic tire, and you have a correct description of the League."

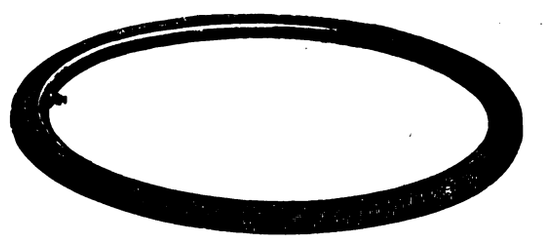


FIG 1.

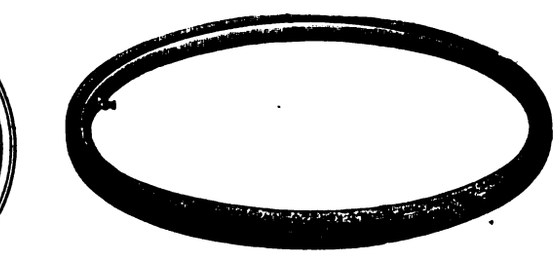


FIG. 2.

Which Horn of the Dilemma?

EDITOR HARDWARE: I notice in your issue of December 10th the experience of a Hardware buyer, who declined to handle a certain lock until there should be made a demand for that lock, which would cause the furniture men to come to the Hardware jobber and ask for it. In that letter I find these quotations: "To create a demand belongs to the inventor and manufacturer. To supply the demand after it has been created belongs to the merchant." I also find an address delivered by John H. Clark, of Nashua, N. H., at a recent meeting of the New England Hardware Dealers' Association, in which he takes exactly opposite grounds. I wish some person who is well posted upon this subject, would tell me how one can comply with the ideas advanced in both of these cases and introduce a new article. Awaiting a ray of light upon this subject, I beg to remain,

Respectfully yours,

Athol, Mass. A MANUFACTURER.

Fayette R. Plumb, Philadelphia, has been recently elected one of the vice presidents of the Union League Club in that city.

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ILLUSTRATED BICYCLE NOVELTIES.

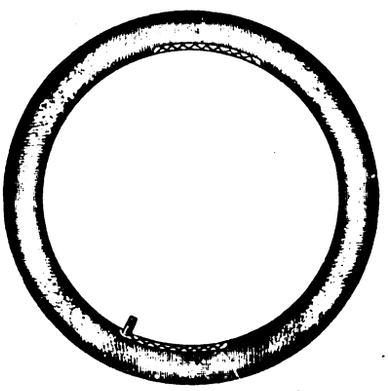
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Flexifoit Pneumatic Tires.

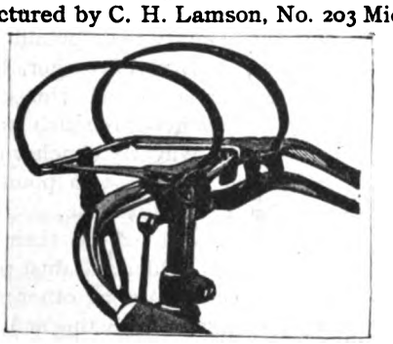
The method of weaving used by the manufacturers of the Flexifoit possesses the constructive qualities of a tubular tire lining, woven in a circle, so they claim. "This tire grips the wheel tightly when inflated, and is light, seamless, and so woven that all the strands sustain an equal tension.



It is perfectly uniform in size throughout, and is not subjected to a molding while undergoing vulcanization. The fabric is made of Sea-island cotton, and the air tubes of fine Para rubber. The tire is provided with two openings so that the air may be removed one-half at a time." These tires are made in four weights, A, B, C and D, varying from 1½ to 3 pounds per pair. For prices and particulars apply to the manufacturers, the Mechanical Fabric Co., Providence, R. I.

Lamson's Luggage Carrier.

The illustrations following show Lamson's Luggage Carrier, manufactured by C. H. Lamson, No. 203 Middle Street,



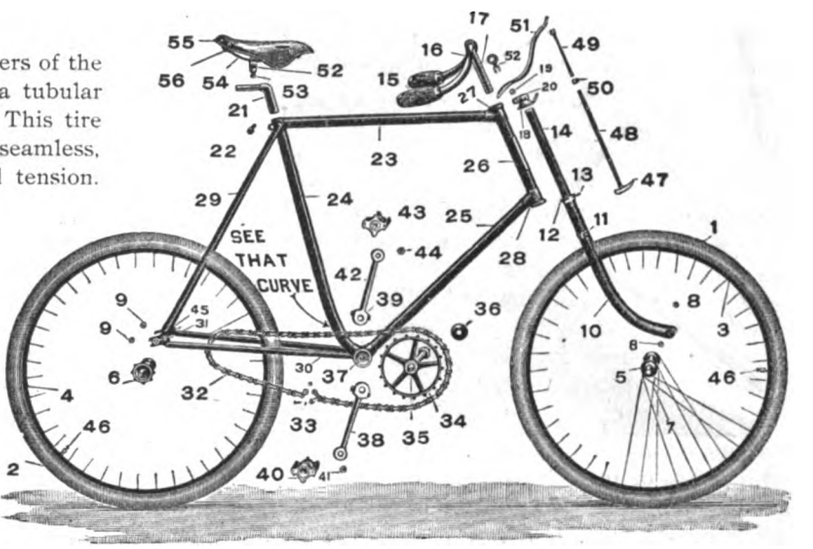
Portland, Me. The manufacturer states that "these Carriers can be easily attached to any wheel, are light, and do not interfere with use of the brake or lantern. Students or



tourists using the wheel will find the carrier of great use." First figure shows Carrier No. 1, price $1. Second figure, Carrier No. 4. Double; price $1.50.

A Dissected Keating.

The illustration here given shows a Dissected Keating, Keating Wheel Co., Holyoke, Mass., in which all parts are numbered. The object of this cut is to enlighten those who are not familiar with the names of the various parts of a wheel.



THE DISSECTED KEATING.

1. Front tire.
2. Rear tire.
3. Front rim.
4. Rear rim.
5. Front hub.
6. Rear hub.
7. Spokes.
8. Front axle nuts.
9. Rear axle nuts.
10. Front fork side.
11. Coasters.
12. Front fork crown.
13. Fork crown detachable brake bracket.
14. Steering post.
15. Cork grips.
16. Handle bars.
17. Handle bar stem.
18. Lamp bracket.
19. Handle bar collar screw.
20. Handle bar binding collar.
21. Saddle post.
22. Saddle post-binding screw.
23. Upper brace.
24. "See that Curve" centre brace.
25. Lower brace.
26. Steering head.
27. Upper head ball case.
28. Lower head ball case.
29. Rear upper brace.
30. Rear lower brace.
31. Chain adjusting screw.
32. Chain.
33. Chain bolt and nut.
34. Front sprocket.
35. Crank axle.
36. Sprocket adjusting cone.
37. Crank hanger or bracket.
38. Right crank.
39. Crank pin.
40. Right pedal.
41. Right pedal adjusting nut.
42. Left crank.
43. Left pedal.
44. Left pedal adjusting nut.
45. Mounting step.
46. Valve.
47. Brake spoon.
48. Brake telescope tube.
49. Sliding brake rod.
50. Brake binding screw.
51. Brake lever.
52. Brake lever binding collar.
52. Saddle post clamp.
53. Saddle binding screw.
54. Saddle spring.
55. Saddle top or leather.
56. Saddle adjusting nut.
57. "See that Curve?"

The company claim that the curved seat post designated in the illustration as 24, places a rider in the most advantageous position over his work. The idea of this Dissected Wheel is an excellent one, and a study of the diagram and explanations will be instructive.

Two New Lamps.

The illustrations here given show two new Bicycle Lamps manufactured by the Snell Cycle Fittings Co., Toledo, Ohio. Fig. 1 shows the Flashlight. Fig. 2, the Tom Thumb. The Flashlight, the makers claim, is mechanically constructed to burn kerosene oil, and the wick does not char.

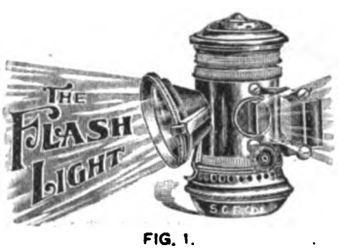


FIG. 1.

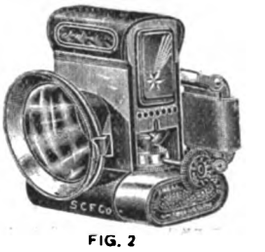


FIG. 2

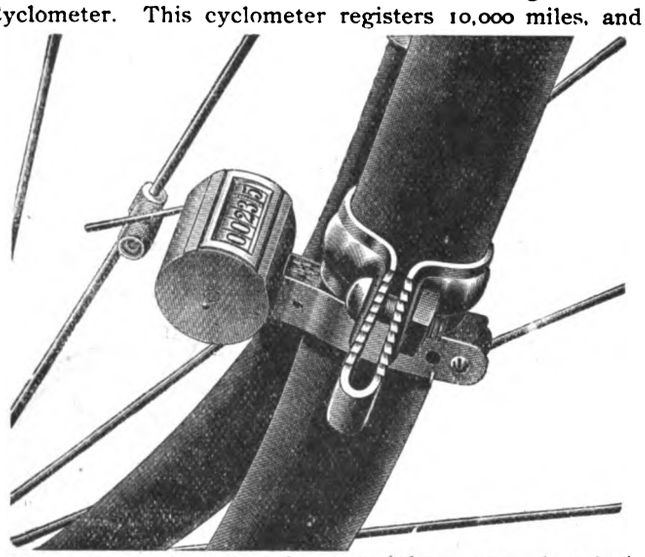
This lamp has a cold air chamber which prevents it from getting hot, and is fitted with a highly focused lense and ruby prism sidelights. Made of brass, full nickel-plated, is strong and very handsome in appearance, and weighs only 11¼ ounces. The Tom Thumb, it is stated, is fitted with a

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powerful optical lense, beveled ruby comet side lights, and improved spring back. The body of this lamp is made in two pieces securely riveted together, and is simple in construction, strong and handsome, and weighs 11 ounces. Prices furnished upon application to the company.

U. S. Cyclometer.

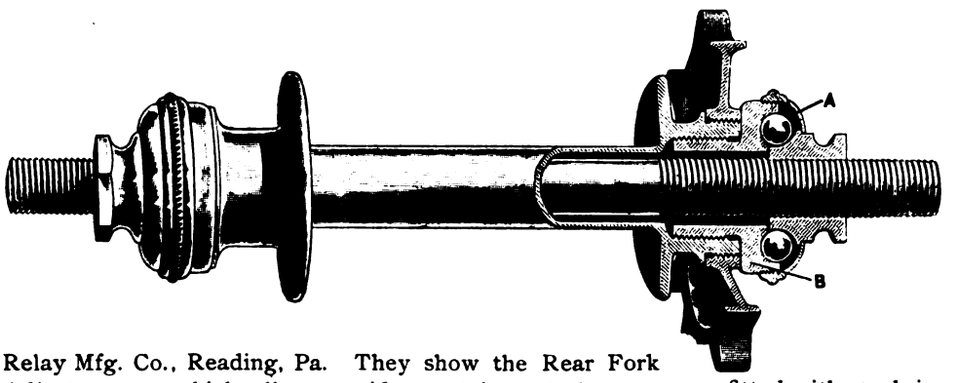
Bean & Lang, of Fond du Lac, Wis., are offering the U. S. Cyclometer. This cyclometer registers 10,000 miles, and



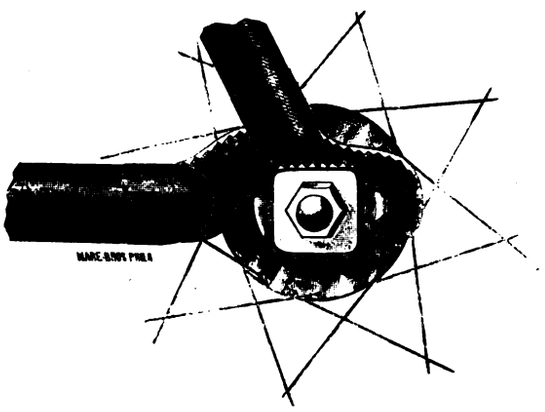
repeats, or may be set back. It weighs 1 ounce, is 1 inch long and ⅞ of an inch in diameter, and also registers the tenths of a mile. Every meter is run at least 400 miles on a testing machine, at a rate of 60 miles an hour, before being put out.

Two Relay Improvements.

The illustrations given here show two of the improvements that will be found on the '95 machines offered by the



Relay Mfg. Co., Reading, Pa. They show the Rear Fork Adjustment, "which allows a rider to take out the rear wheel without removing the chain, and the Rear Hub, with new removable dust cap, which allows the rider to see the balls while in motion, and enables him to put oil on them



direct, and thus cause any dirt which has accumulated to run off, leaving them perfectly clean, yet well oiled. It also does away with the unhandy oil cup in centre of the hub. If a ball breaks the pieces will fall out, and a new one can be put in very easily." These improvements, the manufacturers state, "will of course be appreciated by riders."

Chicago Bicycle Show.

THE OPENING OF THE GREAT WHEEL EXHIBIT.

SOME OF THE FEATURES THAT ARE ATTRACTING ATTENTION—THOSE WHO ARE THERE AND WHAT THEY ARE SHOWING.

If activity in the way of preparations count for anything, the Cycle Show, which was formally opened at Battery D on Monday, January 7th, will be the largest exhibition of this character ever held in the country. The sound of the hammer and saw had not ceased when a representative of HARDWARE visited the large halls on the lake front, Saturday the 5th. Everything was found in good shape. A large number of exhibits had already arrived, representing the latest improvements in wheels as well as everything in connection with the modern bicycle. Light weight wheels are a feature of the show. In the matter of rims wood is conspicuous, and the success attained in its employment during the last year furnishes no small item of interest for both manufacturer and user. While a certain measure of success has been achieved, it is believed that the field still presents one of the most promising sources of study and investigation. The reduction in weight has been accomplished in nearly all instances without a reduction of strength. On the other hand the wheels that have stood the test are found to be more substantial than the models of a year ago. The striking improvements in tires that are to be presented also claim much attention as well as a general improvement in the smaller details of workmanship and finish. The range of the exhibit of cycle fixtures embraces about everything known to the trade; indeed the whole space taken shows that there are few manufacturers of importance in the country who have not secured a representation, while the fact that they are sparing no expense in fitting up their exhibits indicates a much higher appreciation of the enterprise than ever before.

Light weight racers will be shown by the Indiana Bicycle Co., one feature of their exhibit being a ten-pound racing wheel, built expressly for the show. They will also have on exhibition a twenty-two pound high frame Waverly Scorcher, fitted with G and J wood rim clincher tires; twenty-three inch framed Scorcher, fitted with steel rim and Waverly clincher tires; twenty-two pound Waverly Belle; twenty-two pound special diamond framed wheel, built for ladies' use.

The Monarch Cycle Co. will exhibit their full line, all fitted with the Monarch ball holder and dust protector. All the sprockets are detachable. Among other machines they will have an eighteen pound racer, listing at $125; a twenty-six pound ladies' wheel, listing at $85; a twenty-two pound road wheel, price $100.

The Western Wheel Works have made great improvements in their machines during the last twelve months. They show a twenty-pound Scorcher, price $90. The special features of this machine are large tubing throughout and an improved sprocket. They will also show the Crescent Scorcher and six other models, The Crescent No. 1 weighs twenty-three pounds, and is built on the lines of the Scorcher Crescents. Nos. 2 and 3 will list at $50 and $40 each. They are made with twenty-four and twenty-six inch wheels, and weigh 22½ and 22¼ pounds respectively. The Crescent No. 4 is a ladies' wheel, weighing but twenty-two pounds. Models 5 and 6 list at $50 and $40 respectively, and are fitted with twenty-six and twenty-four inch wheels. The former weighs twenty-four and the latter twenty-two pounds.

The Gormully & Jeffery Mfg. Co. will utilize a large space

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and fill it with interesting examples of their fine workmanship.

The Grand Rapids Cycle Co. will be there with a full line of Clippers, weighing from a racer of sixteen pounds to twenty-seven pounds. All of their wheels are fitted with the best tires that the market affords.

The Ames & Frost Co. have fitted up a handsome space, in which they will exhibit their models, 15 being their leader. This machine weighs twenty-five pounds and lists at $100. Model 16 weighs 26½ pounds. Model 18, the racing wheel, weighs 18½ pounds. The ladies' wheel weighs twenty-three pounds,

The exhibit of the Munger Cycle Mfg. Co, will present many interesting features. Their twenty-pound roadster, tread 5¼ inches, lists at $125, and this is the cheapest wheel in their line. The eighteen pound racer is $140, and special racer, fifteen pounds, $150. The Munger machines have a patent adjustable hand bar and many other valuable and novel features.

Simplicity in construction and practical results are the features of the Julius Andrae exhibit. Mr. Andrae will demonstrate what has been secured by inventive genius, with a complete line of his machines, ranging in weight from the racer at eighteen pounds up to the light roadster at twenty-four pounds. The gentlemen's wheels are fitted with three different styles of frames, and the ladies' two. The lower rear forks are reinforced by an improved method, which overcomes the side strain in case of a twist or a fall. The tubing on the chain side is made two gauges heavier than on the opposite side.

Rouse, Hazard & Co., Peoria, Ill., have arranged an exhibit that will be especially interesting to dealers. They show five models of the Sylph, ranging in weight from a seventeen pound racer up to the twenty-three pound ladies' wheel, all listing at $100. They also present for inspection their famous Overland, in eight models, ranging in price from $40 to $75, and in weights from twenty-five to thirty-two pounds. They also present many interesting curiosities in the bicycle line.

The Falcon light roadster will be the feature of the exhibit of the Yost Mfg. Co., Toledo, Ohio, and the Models are presented in the most attractive light. The Falcon and Falconess, with twenty-six inch weels, are listed at $65 and $70 respectively, being the lowest in price. The Falcon roadster, weight 24½ to 27 pounds, is listed at $85, while the ladies' wheel, same weight, is $100.

Cushman & Denison have secured ample space and will make an interesting display in their line of pocket oilers and pump holers. No small degree of interest is shown in the Exposition by manufacturers of bicycle accessories, specialties, sundries, etc., the majority having taken full space independent of machine makers. Among the firms to whom prominence has been given by their interesting displays are: The New York Tire Co., R. B. McMullen & Co., Chicago; Sieg, Walpole Mfg. Co.; Capitol Mfg. Co., John Caldwell & Co., Braddock Hose Supporter Co., Mechanical Rubber Co., Spaulding Machine Screw Co., Reed & Curtis Machine Screw Co., Bridgeport Gun Implement Co., C. J. Whipple & Co., Indiana Novelty Mfg. Co., Rockford Tool Co., Morgan & Wright, New York Standard Watch Co., Diamond Rubber Co., Columbia Rubber Co., Niagara Cycle Fittings Co., R. C. Whayne.

The above will convey some idea of the preparations that had been made for the great Chicago show and its scope. It is impossible at this time to give a complete list of exhibits, as they were not all in place at the time of our visit. It is sufficient to add, however, that the managers of the enterprise are highly pleased with the prospects, having received every encouragement from manufacturers in this country and Canada. From the latter a large attendance is promised, as well as from the territory tributary to Chicago. The show promises to present the most striking improvements that have been witnessed in any twelve months since bicycle expositions were inaugurated. MACK.

Chicago, January 7, 1895.

Hardware Club Notes.

The following gentlemen have been unanimously elected members of the New York Hardware Club since our last report:

Courtlandt C. Clarke; Arcade File Works, Anderson, Ind.,

Samuel E. Winslow; Samuel Winslow Mfg. Co., Worcester, Mass.

Walter Lauder; Perry Pharmacy Association, *Sun* Building.

Canada Horse Nail Co.

James Ferrier and W. M. Mooney have, by mutual consent, dissolved partnership in the concern knovn in Montreal as the Canada Horse Nail Co., and at Ausable Chasm, N. Y.; as W. M. Mooney & Co., from and after December 1st, 1894. The business at Montreal will be continued under the name of the Canada Horse Nail Co., by James Ferrier, who assumes all liabilities of the dissolved firm, and to whom all debts due are to be paid. The business at Ausable Chasm, N. Y., will be conducted by W. M. Mooney under the name of W. M. Mooney & Co. as heretofore. There will be no change in methods, and the staff of operatives will remain the same.

The Geuder & Paeschke Mfg. Co., manufacturers of tinware, etc., Milwaukee, Wis., report that they are making preparations for a vigorous campaign in 1895. The tariff agitation having being practically settled for the next few years at least, they believe that business men generally will be justified in expecting a conservative increase in sales, and in consequence thereof there will be much heavier demands made on manufacturers than have been experienced for some time. The Geuder & Paeschke Mfg. Co. are in position to give prompt attention to all orders entrusted to them, guaranteeing entire satisfaction in every respect, and they extend a cordial invitation to the trade at large to avail themselves of their facilities, whenever in need of goods in their line.

Straws show which way the wind blows, and the number of large orders already placed for sundries indicate that the production of wheels next year will be fully as large as anticipated by the most sanguine. Cushman & Denison, who make oilers for the leading manufacturers and jobbers, are very much rushed on their '95 orders, and will make a larger stock than ever before. The "Perfect" Pocket Oiler is being made even better than in the past, the makers say. They will also make large quantities of medium grade oilers, as well as oiler holders and pump holders.

The Hatch Cutlery Co., Buchanan, Mich., inform us that "The Hatch Bolt Shear and Patent Automatic Knife are coming right to the front, and the truth of the matter is we cannot get out goods fast enough to meet the demand. That hardly sounds possible in these hard times," they add, "nevertheless it is so, and we are now putting in additional machinery and increasing facilities in order that we may meet demands."

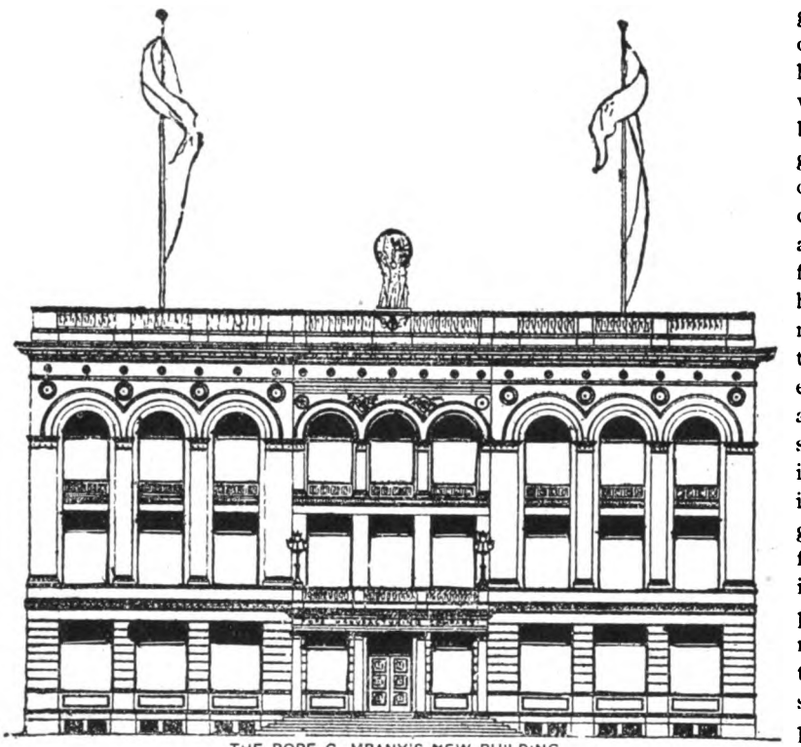
The Dayton Nut, Bolt & Hinge Co., of Dayton, Ohio, whose plant for the past several months has been running with great irregularity, and with a reduced number of hands, is now in steady operation with a force of 350 men. This number will be increased to 500 shortly and then kept in constant operation.

The Winchester Repeating Arms Co. have recently received an order from one of the South-American States for 3,000,000 rounds of .30 calibre Mauser cartridges. The order will be completed in thirty days.

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The Pope Co.'s Removal.

The census of Hartford, Conn., received quite an addition on December 28th by the arrival of about fifty officers and employees of the Pope Mfg. Co. The party arrived in a private car, which was attached to the four o'clock train from the Hub. The project of moving the correspondence department to Hartford, where the factory is, was determined upon several months ago, the idea being to make Hartford the headquarters. Extensive preparations for an elaborate structure were at once begun. It was completed several weeks ago, and is now ready for occupation. The handsome new office building, a cut of which is here shown, adjoins the Columbia factory and is a model of comfort and convenience. The structure is three stories high, with ample basement, and has a frontage of 104 feet. Built of cream-colored brick, with terra cotta ornamentation, it presents a pleasing contrast to the warmer red of the adjacent structures. The entrance is by a fine vestibule, which connects with a broad hall running through the middle of the building to a commodious stairway and elevator. Half of the ground floor will be utilized by the department of accounts, the remainder being devoted to the quarters of the advertising department. Most of the second floor is thrown into one large room, about 40x102 feet, for use by the executive department. This floor also contains the private offices of the treasurer and secretary. On the third floor are the offices of the president and vice-president of the company, the directors' room, the library and a lecture room. A dining-room with a fully equipped kitchen is also located on this floor, to be used for serving lunch to the officers of the company. The building throughout is handsomely finished in oak and is fitted with every modern convenience for the conduct of a great business.



THE POPE C MPANY'S NEW BUILDING.

The Boston branch store, with its riding school and repair shops, will remain in the building at No. 221 Columbus Avenue. Those remaining at the Boston office are Albert L. Pope, W. Kirke Corey, A. D. Peck, John Costello, B. D. Perkins, H. M. Mansfield, E. A. Davis, Jr., Irving Litchfield, Joseph A. Taylor, J. S. Washburn, Ira E. Fairbanks, Martin J. Donahoe, William M. Troy, Charles W. Tilton, F. A. Hentz, F. H. Adams, Lenox B. Smith, Charles H. Richardson, William T. Ashton, John Hushly, E. P. Evans.

The following is a partial list of those who will make their homes in Hartford: William Bancroft, Charles S. Sumner, F. H. Bossom, Fred C. Shepard, L. M. Allen, E. T. Benson, W. C. Walker, J. F. Cox, F. W. Prior, Cyrus E. Wheeler, E. B. Paine, H. E. Allen, H. R. Patten, G. H. Wilder, Solon P. Phipps, Ezra M. Cutting, William P. Hawley, A. E. Pattison, H. Lemhard, L. D. Harden, C. M. Starkweather, Herbert H. Rice, W. J. Osgood, L. S. Dow, G. B. Merrill, A. M. Bunce, C. N. Brown, W. C. Atwood, Charles Walker.

Colonel Pope will have offices in both Boston and Hartford, and will divide his attention between the two places.

Will Be at Both Shows.

The Syracuse Cycle Co., Syracuse, N. Y., make the following announcement:

We shall exhibit our line of Syracuse Bicycles at both the New York and Chicago Shows. At the New York Show, to be held at Madison Square Garden, we shall occupy spaces 31 and 32, and at the Chicago Show, spaces 65 and 68. Our line of exhibit will consist of about as follows:

Syracuse Pacer, weight, 23 pounds; list price	$100
Syracuse Model C, weight, 27 pounds; list price	100
Syracuse Thelma (lady's), weight, 22 pounds; list price	100
Syracuse Track Racer, weight, 15 pounds; list price	125
Syracuse Tandem, weight, 36 pounds; list price	150
Special Syracuse, weight, 20 pounds; list price	125

Our vice-president and manager, J. C. Bowe, will be in attendance; also our traveling representatives, Wm. D. Hawley and F. H. Smith. We hope to meet all our friends and agents there, and each and every one may rest assured they will receive a warm and hearty welcome from the manufacturers of the Crimson Rims.

Sootene.

The Lone Star State looms up as a home of inventive genius. Royall Givens, of Corpus Christi, Texas, has patented an article which gives promise of being one of the "biggest little things" ever offered to retailers in the country. Sootene is the article, and at twenty-five cents it shows a handsome profit to the retailer, and is destined to have an unprecedented sale, and will prove a great boon to long suffering mankind. It is intended to prevent the interior surface of stoves, grates and stovepipes from scaling or corroding, and to keep the pipes, flues and chimneys free from soot. If these objects have been successfully accomplished, the invention will be hailed with delight. The demand for Sootene indicates that the inventor has "struck pay dirt," and he is making the merits of the patent known all through the land. HARDWARE advises retailers who wish to add "a pretty penny" to their income to read the advertisement appearing on another page, and to seek information of Mr. Givens, who will most gladly answer all such inquiries.

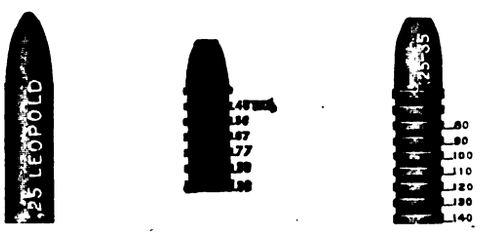
The Glidden Varnishes.

The Glidden Varnish Co., Cleveland, Ohio, manufacturers of cabinet, coach and railway varnishes, in a card elsewhere, announce to the Hardware trade that they are in the market for 1895 with their old-time business energy. They handle as some of the special features a Bicycle Wood-rim Enamel; a Protective black for carriages, window screens, exposed iron work, etc.; Glidden's Surfacene, a wood-filler and first-coater, and Glidden's Ivory Finish and M. P. special coach. They also make a specialty of Baking Japans and Lacquers. Their main office is in Cleveland, with branches in Boston, Chicago and St. Louis. An inquiry addressed to either of these offices will bring information which will be of value to Hardware dealers who are interested in these lines.

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Popularity of the .25 Calibre.

"There has no cartridge worked into the good graces of the small bore cranks equal to the .25 calibre," says an authority; "it has been popular from the very first and its popularity is on the increase, as is evidenced by the many modifications of it. The original cartridge is the .25-20-86, the same as now made by the factories. The 86 grain bullet was thought by many to be too heavy on account of key holing, so the Ideal Mfg. Co. worked out a series of bullets varying in weights from 46 to 96 grains; the 77 grain became very popular immediately; the 'cranks,' however, desired to use the heavier bullets. This led to barrels being cut with a quicker twist running down from one turn in 18 inches to one turn in 8 inches, as per Mr. Pope, of Hartford, Conn., and Mr. Lowe, of Fitchburg, Mass., who are making special barrels. This, of course, required more powder and greater velocity, so these gentlemen have reduced the well known 32-40 Marlin shells at the muzzle so as to be correct for the 25 calibre bullets. Great work is being done with these arms, as may be noticed from time to time in the leading sporting journals. The Ideal Co. are kept busy administering to the wants of these shooters. E. A. Leopold, of Morristown, Pa., sketched what he desired for a bullet (cut of it is here shown), and sent it to Mr. Barlow, of the Ideal Co., who worked it up into the well known



cylindrical mould, which enables the user to get any weight he desires. The wonderful work done with this bullet is well known."

The Ideal Co. also inform us that they are now ready to meet the demands for heavier 25 calibre grooved bullets, as per cut shown herewith. Single moulds may be had to cast any of the specified weights. The company are also prepared to furnish the "Perfection Adjustable," that will cast the whole series of weights; it is said that the extreme point is exactly the same shape as the 25 calibre, but it is longer to the crimp shoulder, so that the 32-40 Marlin shell, reduced down to the 25 calibre, with this ball inserted, will be exactly the same length as the standard 32-40 Marlin cartridge, making ammunition that is properly proportioned for repeating rifles, which we understand the Marlin Fire Arms Co. are now at work on. The rifle will be called the 25-35 Marlin, model '93. The cut of the Regular 25-20 bullets will show readers the difference in the length of poin and the weights as compared with the 25-35. "Of course for light weight or short range bullets the series of 25-20 will be better balanced, but where the long ball is desired the 25-35 series will be the best."

Boston Hardwareman's Good Work.

This important accessory (the Hardware) to the perfectly trimmed house or edifice, while noticeable if bad, is not always placed upon the level which it deserves, provided, of course, it is of such a high standard as may be found in the new State House. Here the entire building is supplied by the Hardware products manufactured by the house of Enoch Robinson, of Nos. 39 and 41 Cornhill, Boston. Special designs in knobs, escutcheons, locks and like Hardware are seen to advantage on the solid finishes, and in every instance they are appropriate to the surroundings and uses. The practical phases of these appliances are fully equal to their ornate and handsome finish. What more could be asked and given by a concern which, for more than half a century, has suppled some of the largest and best equipped structures in the land with Hardware? Such is the reputation of this house, and has been since its foundation by the late Enoch Robinson in 1837, at which time the Hardware in use was imported, and we were dependent upon foreign invention and manufacture for our most ordinary supplies. Mr. Robinson was, by the way, the first to make locks and knobs in this country, and the reputation of this work, its superiority and lasting qualities inaugurated by him have never been found wanting in any particular, nor have they ever been in all points equaled. This much of praise is due to one of our local houses, which has been recognized and awarded diplomas from the date of its origin, 1837, down to 1892. There is no question of doubt that the State House is one of the best trimmed, in point of Hardware, in America, and the infallible test of time will doubtless attest the assertion.—*Boston Herald.*

"Pompeiian Bronze" Wire Cloth.

The Clinton Wire Cloth Co., Clinton, Mass., are manufacturing a new style of wire screen cloth, which they call "Pompeiian Bronze" wire cloth, and which they say is very rapidly making its way in the better class of residences, hotels and public buildings. In describing it they further say: "It will not rust or deteriorate, even when exposed to the salt atmosphere of the ocean; requires no paint or lacquer and is practically indestructible. The wire is an alloy of copper, aluminum and other metals, combining all of their durability with the toughness and elasticity of steel. The mesh is perfectly square and uniform in both warp and filling, being the result of great care on the part of expert weavers operating the most improved and accurately adjusted wire looms extant. The color is a fac-simile of the ancient Pompeiian bronzes so highly prized by art connoisseurs, and is so delicately shaded in manufacture as to render the screens almost invisible. We are prepared to furnish these goods in all meshes and gauges of wire. Send for samples and prices."

Believes in Wood Rims.

EDITOR HARDWARE: In the bicycle business there is every indication for 1895, that Wood Rims are going to be right in it! Most of the manufacturers a year ago were skeptical as to their utility, but the increasing advantages and the many improvements in tires, together with lessening weights demanded each succeeding year by the "up-to-date" cycler, will eventually make this an important industry. I notice in connection with this subject, that a Boston Wood Rim Co. have started a branch in England, with the pleasant capitalization of $875,000. Whether they achieve success or not they intend to deserve it. W. R.

Providence, R. I., January 2, 1895.

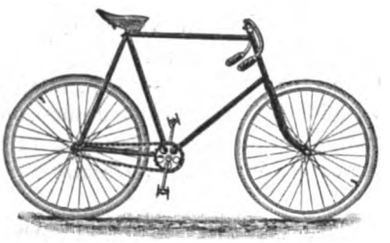
Prince Wells has applied for a patent on a nickel-in-the-slot machine for inflating pneumatic tires. This is quite a novelty, and has never been introduced before, although it has been thoroughly tested by Mr. Wells. The machine will be placed in front of any cycle agency, and by dropping a nickle in the slot a rubber tube with a universal connection can be drawn out about three feet. When it is at full length it releases a lever, and, by pressing a button, the air is turned on and the tire inflated. The air is stored in a reservoir, which is filled by hydraulic pressure. This machine will be sold at a medium price, and will be a great saving to agents and a convenience to the riding public. The machine is so arranged that it is impossible for the small boy to tamper with it.

Souvenirs will be presented by the Hay & Willits Mfg. Co., makers of Outing Bicycles, to all bicycle agents who desire them. The company's exhibit at the Chicago Cycle Show will be in the gallery No. 139.

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Lovell Diamonds, 1895 Models.

Although this make of bicycle has only been on the market for five years, the John P. Lovell Arms Co. have been before the public for the past fifty years or more. They are to be complimented on the wonderful success attained by their wheels. From the beginning of their bicycle career they have certainly fulfilled their promise to manufacture and place on the market a high grade wheel at a popular price. Riders fully realize and appreciate the style, light-



MODEL 22.—TRACK RACER.

ness and durability of their wheels and the reputation they have justly won. No doubt the popular price of the Lovell Diamond wheels has been instrumental in reducing and equalizing the price of other so-called high grade makes. This fact is acknowledged and fully appreciated.

We are permitted to specify a few of the many important improvements made in this make of wheel for the coming season: "First is a larger size tubing in the frame, which gives it a much finer appearance than in the past. They have also raised the crank shaft; narrowed up the tread; put in a barrel crank shaft hanger; improved dust-proof



MODEL 23.—SEMI-RACER.

ball bearings; improved detachable front sprocket wheel; handsomely polished chain; new pedals of special design, fitted with rubber, leaving one side rubber pedal while the other is rat-trap, and by removing the rubber plate it becomes rat-trap on both sides. This pedal is dust-proof. On the ladies' and road wheels a new and simple detachable brake is used, and by removing two screws and nuts the brake can be taken off, leaving no sign of same. The mud and chain guards can also be removed, leaving no sign of ever having been on the wheel. A new and important feature in the lady's wheel is the direct diamond frame, with



MODEL 24.—LIGHT ROADSTER.

the strongest design double tube on the market. An improved guard, light in weight, easily tightened, adjusted and detached is also used."

The following is a list of the '95 line of Lovell Diamonds:

The Model 22 or Track Racer in many respects resembles the Model 17 manufactured in '94. This machine was very successful both on road and track and has a reputation among the riders of being of the strongest track wheels ever made. The new model is improved as follows: Larger tubing in the frame; higher crank shaft; 5-inch tread; barrel shaft and improved chain, pedals, handle bar and saddle. Weight, 17½ pounds. Price, $100.

The Model 23 or Semi-Racer is identically the same machine as the Model 22, except that it is fitted with semi-racing tires and rims, which are suitable for road use. It also has a different handle bar and saddle. Weight complete, 19½ pounds. Price, $100.

The Model 24 or Light Roadster takes the place of the Model 18 of last year. There were more of these wheels put out than of any other kind, and without doubt it was their most successful machine manufactured. It has all the good points of last year, with many improvements, the most important of which is the larger gauge tubing in the frame; higher crank shaft; 5½-inch tread; barrel bracket; new chain, pedals, sprocket wheels, handle bar and saddle. Weight complete, 22 pounds. Price, $100.

The Model 25 or Full Roadster is the same as Model 24, except that it is fitted with mud guards, brake, inverted

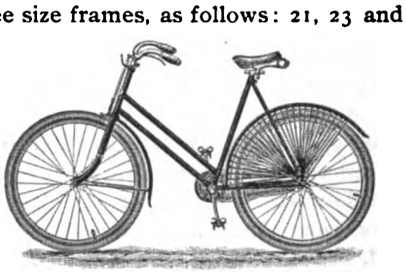


MODEL 25.—FULL ROADSTER.

handle bar, rubber pedals and road saddle. This machine is so made that the brake work and guards can be removed and show no signs of ever having been on the wheel. Drop bars and scorcher saddle can be furnished, if preferred. Weight complete, 24 pounds. Price, $100.

The Model 26 or Ladies' Light Roadster will be, without doubt, among the most successful ladies' wheels ever placed on the market. Each year they have been very successful in their efforts to build a ladies' wheel which would be particularly light, graceful and easy running, combined with strength and durability. As can be seen from the cut, many improvements have been made; although the wheel is light, yet it is very strong. The improvements consist of a double direct frame; new guards; sprocket wheels; chain; 5½-inch tread; barrel crank shaft; new handle bar and saddle. Weight complete, 24 pounds. Price, $100.

All of the above line, including the ladies' wheel, are made in three size frames, as follows: 21, 23 and 25 inches.



MODEL 26.—LADIES' LIGHT ROADSTER.

In making these in this way, it gives the riders a wheel that will fit them, regardless of their height, without having a lot of extra seat posts attached. All of the above wheels have been thoroughly tested and will be found strong and durable in every respect. Cemented or detachable tires, wood or steel rims will be furnished.

It is also expected that a light tandem will be placed on the market this season, which will be, they say, "in many points, far superior to anything ever made." Full particulars in regard to this machine will be given later. Parties desiring a medium grade line of wheels will do well to examine the Excel line put out by the above firm. These will list from $40 to $65 and will have all the improvements. For full particulars send for catalogue. The Lovell people will occupy Exhibit No. 143, at the Chicago show; Nos. 86 and 87, at the New York show.

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Bruce & Cook's Annual Greeting.

There is always much sound wisdom and valuable information in the annual New Year's Greeting issued to their friends by the old and famous house of Bruce & Cook, New York, and it is with a feeling that the space is well used, that HARDWARE reproduces that of 1895 in full. The table of weights of tin-plates, and the comparison of prices, are especially valuable as contributions to the statistics of the trade. The Greeting is as follows:

We hand you herewith the twenty-second annual edition of our Calendar, which we hope will be welcomed as an old friend.

During the last few years, Plates lighter than the old standards have come into such general use that we have made up a table showing the net weights of all leading sizes, and at the basis weights most in use. This will enable you to tell at a glance the weight of the different sizes and thicknesses, and also to be sure that weights received are same as ordered without a long calculation. This table is printed on reverse of Calendar. (It will be found below.)

NET WEIGHT PER BOX TIN-PLATES.
Basis 10x14, 225 Sheets; or 14x20, 112 Sheets.

Trade Term.		80lb	85lb	90lb	95lb	100lb	IC	IXL	IX	IXX	IXXX	IXXXX
Weight per Box, lbs.		80	85	90	95	100	107	128	135	156	176	196
Size of Sheets.	Sheets per Box											
10x14	225	80	85	90	95	100	107	128	135	156	176	196
14x20	112	80	85	90	95	100	107	128	135	156	176	196
20x28	112	160	170	180	190	200	214	256	270	312	352	392
10x20	225	114	121	129	136	143	153	184	193	223	251	280
11x11	225	69	73	78	82	86	92	111	117	135	152	169
11x22	225	138	147	156	164	172	184	222	234	270	304	339
11¼x22	225	151	161	170	179	189	202	242	255	295	333	370
12x12	225	83	87	93	98	103	110	132	139	160	181	202
12x24	112	82	87	93	98	103	110	132	139	160	181	202
13x13	225	97	103	109	115	121	129	154	163	188	212	236
13x26	112	97	103	109	115	121	129	154	163	188	212	236
14x14	225	112	119	126	133	140	150	179	189	218	246	274
14x28	112	112	119	126	133	140	150	179	189	218	246	274
15x15	225	129	137	145	153	161	172	206	217	251	283	315
15x16	225	146	155	165	174	183	196	234	247	285	322	358
17x17	225	165	175	186	196	206	221	264	279	322	363	405
15x15	112	93	98	104	110	116	124	148	156	180	204	227
19x19	112	108	110	118	122	129	138	165	174	201	227	253
20x20	112	114	121	129	136	143	153	183	193	223	251	280
21x21	112	126	134	142	150	158	169	202	213	246	277	309
22x22	112	138	147	156	164	172	184	221	234	270	304	339
23x23	112	151	161	170	179	189	202	242	255	295	333	370
24x24	112	164	175	185	195	204	220	263	278	321	361	404
28x28	112	198	205	217	229	241	256	309	326	377	424	472
13¼x19¼	112	75	80	85	89	94	100	120	127	147	165	183
14x18¾	124	83	88	93	98	103	110	132	139	161	181	202
14x19¾	120	88	88	93	98	103	110	132	139	161	182	202
14x21	112	84	89	95	100	105	112	134	142	164	185	206
14x22	112	88	94	99	105	110	118	141	148	172	194	216
15x21	112	90	95	101	107	113	120	144	152	176	197	220
16x20	112	91	97	103	109	114	122	146	154	178	201	224
14x31	112	154	182	140	147	155	166	198	209	242	273	304
13¼x17D	100	...	...	...	...	...	98	...	126	147	167	187
17x25D	50	...	...	...	...	...	98	...	126	147	167	187
15x28D	100	...	...	...	...	...	145	...	187	218	248	277

Tin-Plates.—The history of this during 1894 was a gradual decline in price by makers, and a sudden drop October 1st, when the new rate of duty took effect. The very low prices obtaining for steel and pig tin have made possible the lowest prices on Tin and Terne Plates ever known, and this, with a duty of $1.20 per 100 pounds or about 50% to 60% of the present value of Plates used by canners, and Terne Plates used for roofing. The causes for this decline may be found in the over-production of steel, and under improved methods at low prices—the low prices for pig tin, owing partly to the low rate of silver, and the operations of a tin syndicate and those opposed to it. As labor, steel, and fuel are by far the most important items entering into the cost of Tin-Plate, any change in these may be taken as a sure and quick guide as to future value of Plates.

A comparison of prices ruling latter part of December in large lots, may be of interest:

	1894.	1893.	1892.	1891.	1889.	1885.
Steel Rails, per ton	$22.00	$24.00	$30.00	$30.50	$28.50	$34.00
IX Pig Iron, "	11.25	13 50	14.25	16.00	16.00	18.00
Straits Tin, "	314.00	465.00	440.00	448 00	444 00	470.00
" " duty, per ton	Free	89.60	89.60	Free	Free	Free
Pig Lead	72.00	74.00	84.00	95.00	93.00	88.00
IC 14x20 Coke Tin, per box	4.00	5.35	5.38	5.35	5.20	4.80
IC 14x20, duty, per box	1.29	2.36	2.36	2.36	2.36	1.07
Import price, less duty	2.71	2.99	3.02	2.99	2.84	3 73

The resources of this country are very great for almost every known commodity, and for many of them, far exceeds that of any other country. Our home market is an exceedingly large and important one and should be served by producers on terms as favorable as to any other, but we should not be content with this alone. We must do an international trade, and to do this we must give our producers and manufacturers the best market to buy in. We must be a Nation among Nations, able to reach the best of the world's markets for both buying and selling, but above and beyond all, we must have a system of currency and finance not useful in our own country alone, but available the world over. A United States dollar should be such that it will be recognized and accepted for a dollar value at sight, wherever or whenever seen, no other kind should be issued. As "no man liveth to himself," so it will be with Nations. We hope for wise legislation at Washington on the currency question, and with as little delay as is consistent with wisdom.

Values do not usually remain at the lowest point very long. We believe that they are there now, and there are evidences of a better demand, a revival of industries, after nearly two years of prostration. Let those who guide labor and those who control capital, study each other's interests, work in harmony for a common end, and we are sure the trade of the country will right itself, giving to all honest men an honest return for honest labor.

Trusting that we may both have a prosperous and happy New Year, and soliciting a share of your favors.

Yours faithfully, BRUCE & COOK.

New York, January 1, 1895.

Death of a Prominent Hardware Man

William Irvin Seltzer, secretary of the Enterprise Mfg. Co. of Pa., Philadelphia, Pa., died of appendicitis on December 26th, 1894, at the age of thirty, in the home of his father in Philadelphia, after an illness of about six months. Mr. Seltzer was a University of Pennsylvania man, going there from the first division of the Philadelphia Grammar School. He became connected with the Enterprise Mfg. Co. in 1887, taking charge of the advertising department. He soon showed his worth, and on January 1st, 1893, was elected secretary of the company, which position he filled with credit until the time of his death. In May last he went to Europe for his health, where he stayed four months. He was a man of promise, possessing energy and executive ability, and destined to make his mark in whatever business he might have embarked. He was a member of the Mt. Horeb Masonic Lodge, the Manufacturers' Club and the Columbia Club. Mr. Seltzer, his father, was one of the originators of the Enterprise Mfg. Co., and the senior member of the firm of the Seltzer, Klahr Hardware Co. The funeral took place December 29th, interment being in the Laurel Hill Cemetery, in Philadelphia.

The Union Metallic Cartridge Co. are giving their friends and patrons an attractive calendar for 1895. A woodland scene is depicted. In the foreground, sitting with their backs to a tree, are two little "tots," a boy and a girl, fast asleep, the boy with his arm thrown protectingly around his little companion, while a little gun lies harmlessly at their feet. On the tree is a sign-board bearing the initials: "U. M. C." In the background, peeping around the tree, is a timid fawn, with more curiosity than fear, in its large eyes, intently watching the juvenile hunters.

William B. Osgood, manager of the Keating Wheel Co., Holyoke, Mass., will be in charge of the company's exhibit at the Chicago and New York Cycle Shows. Mr. Osgood will have an able corps of assistants, and will show eight new models of the "Incomparable Keating Bicycles."

The calendar, diary and memorandum combined, presented by the Cleveland Twist Drill Co., Cleveland, Ohio, is both unique and handy, and will be highly useful to all business men who have memoranda to keep and engagements to remember.

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McIntosh-Huntington Line for '95.

The McIntosh-Huntington Co., Cleveland, Ohio, have now completed their line of Bicycles for 1895, and we are herewith permitted to announce the same, with illustration



FIG. 1.- NO. 8 SUNOL.

of some leading features. The line is made up as follows:

No. 8, Sunol	lists,	$100.00
No. 18, Ladies' Sunol	"	100.00
No. 38, American King of Scorchers	"	100.00
No. 48, American Queen of Scorchers	"	100.00
No. 19, Crawford	"	100.00
No. 20, Ladies' Crawford	"	100.00

The above will be their complete line of high grade wheels. In connection with them they will market a line of moderate priced wheels under their own brands of Hercules and Stella, as follows:

No. 176, 28 inch Hercules	lists,	$75.00
No. 178, 26 " "	"	60.00
No. 180, 24 " "	"	50.00
No. 196, 28 " Stella	"	75.00
No. 198, 26 " "	"	60.00
No. 200, 24 " "	"	50.00

The Hercules is a diamond frame, man's wheel.

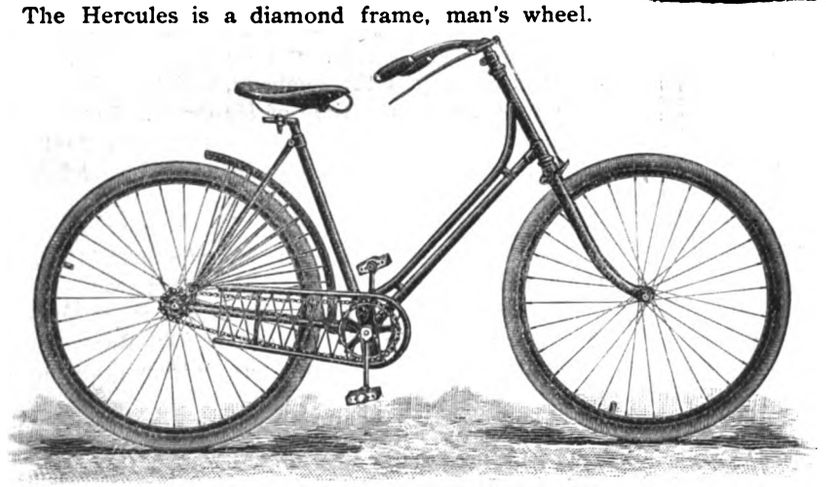


FIG. 2.—NO. 18 LADIES' SUNOL.

The Stella is the double drop pattern, and suitable for a lady. The accompanying illustrations will give a good idea of this line of wheels. The McIntosh-Huntington Co. have had unusual success with their bicycle lines, and equipped as they now are, the success of the past is sure to be increased in the future.

The Bigelow & Dowse Co., Boston, have purchased the entire stock of Wire Nails at the Carnegie Steel Co.'s mills in Beaver Falls. We understand that this purchase is in the vicinity of 40,000 kegs. The stock covers a complete assortment.

The 1895 calendar presented to the public by the Western Block Co., Lockport, N. Y., is a neatly gotten-up affair, and of a convenient size for business use.

A. J. Warner, president of the Warner Lock Co., Chicago, has been in New York for several days, attending to business and exchanging holiday greetings with his friends.

Southern Stove Rates.

The stove maunfacturers who met in Cincinnati, Ohio, some weeks ago, and considered the question of stove rates on railroads, have not allowed the grass to grow under their feet. The freight traffic associations will shortly be besought by a committee of the National Stove Manufacturers' Association to withdraw their threat to advance rates on the manufactured product from third to second class. The members in attendance at the meeting there were mostly from St. Louis, Louisville and Chicago, these points appearing most to be affected by some advance. Cincinnati stove men took but a seemingly passing interest in the deliberations of the association, though they have at times been materially affected. In connection with the matter the experience of Chattanooga stove men of some months ago is recalled. One of the largest stove works in the South, located at Chattanooga, sent nearly all of its

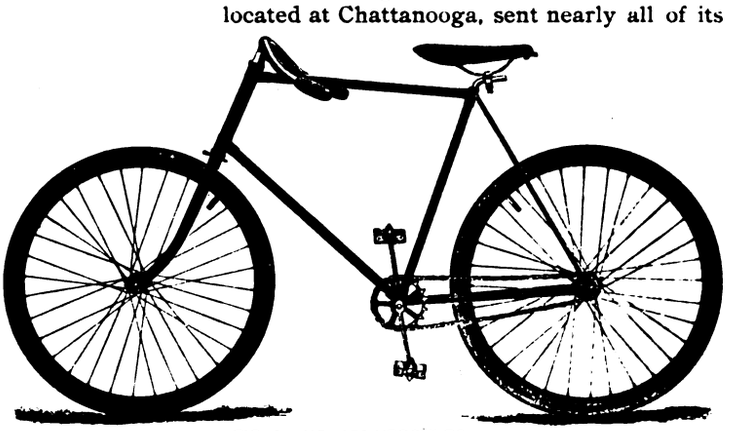


FIG 3.—NO. 176 HERCULES.

product to the Northern market by way of Cincinnati.

A rate of twenty-seven cents per 100 was made by the Queen & Crescent, however, and the result was that the company could not ship its stoves to Cincinnati except at a loss, and had to hunt another market. Business fell off to such an extent that with a small stock on hand the works had to shut down. Later on the Queen & Crescent withdrew from the Southern Railway and Steamship Association, and made a reduction of the rate to nineteen cents. The day following the operation of this rate two carloads of the stoves were sent North, and the company



FIG. 4.—NO. 196 STELLA.

resumed operation with a large increase in the number of hands.

HARDWARE costs only One Dollar a year.

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Recent Catalogues.

The 1895 catalogue of the Keuffel & Esser Co., No. 127 Fulton Street, New York, manufacturers aud importers of drawing materials, surveying and mathematical instruments, is perhaps the most complete ever published in its line and fairly teems with valuable information. Some of the features of this catalogue are: A short treatise on drawing paper; a valuable explanation about drawing instruments; explanations of planimeters and similar instruments; an exhaustive description of the progress of surveying instruments; an illustrated paper on verniers and their application; colored details of the most improved styles of graduating leveling rods; directions for reading elevations by aneroid; explanations about field glasses, etc. This information is highly instructive and will prove of great interest to all interested in those lines of business. There are also distributed through the catalogue a number of half-tone views from photographs of the several departments of their store and factories. These will be of interest also, because they will enable the reader who does not know them to distinguish between their catalogue, to a great extent of special lines and makes, and the many other catalogues, which are described as "individual only on their title page, and obsolete in their contents." It should be added that this edition of their catalogue is not a reprint from former ones, but has been rewritten, and revised and enlarged by more than one hundred pages. While they confine themselves strictly to their line of business, drawing materials and surveying instruments, they have endeavored to omit nothing in this line which is good and reliable, and their catalogue therefore represents the latest real improvements, and the progress made since their last edition.

The Ashtabula Tool Co., Ashtabula, Ohio, have marked the opening of the new year by the publication of a handsome and comprehensive catalogue of the lines of manufactures, for which they have long since earned distinction. The book, while not large in size, is well bound and printed in colors upon heavy book paper, that brings out their many illustrations in an excellent manner. Among these are seen representations of their hay, straw and manure forks; barley and spading forks, corn and vegetable forks, shaving forks, coke, coal and tanners' forks, garden and mortar hoes, plain and brace steel rakes, malleable rakes, weeding hoes, potato and manure hooks, fork, rake and hoe handles, lawn rakes, etc., etc. This certainly presents a variety of goods of interest to the Hardwareman, and as the illustrations are accompanied by full descriptions and prices, it will be well worth the time of any dealer to send for the catalogue. The trade mark "Diamond Tools" appears as the heading of each page. The reputation of this company for first-class goods gives weight to any claim or representation they may make.

The Black Mfg. Co., Erie, Pa., have issued a finely finished prospectus for 1895, of their Tribune Bicycles. They say that it has been their policy from the start to build only bicycles of the best quality, and that the results obtained during the season past have been so satisfactory that they are determined during the coming year "not only to uphold the high reputation of Tribune workmanship," but to offer the trade even better wheels, if possible, than those they have built in the past.

C. W. Dunlap & Co., New York, have issued an illustrated catalogue of their Housekeeping Hardware and Garden Tools. Everything almost that can be imagined in these lines, is here presented, and as this concern have a reputation for first-class goods, any statement that they make in relation to their productions can be relied upon. In a note of introduction they say: "The increasing demand for these goods is conclusive evidence of the wisdom in closely adhering to the following purpose adopted by us several years ago. Our purpose is not to compete in price with the multitude of cheap goods in the market, but by using none but good stock and employing first-class mechanics, we are producing a class of goods popular with those merchants who deem qullity of more importance than cheapness. We invite close inspection as to comparative value and prices."

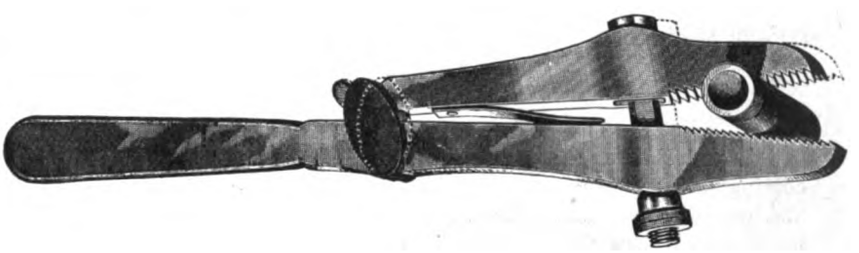
Tower & Lyon, No. 95 Chambers Street, New York, are issuing a handsome little catalogue showing a great variety of punches, both for conductors and other uses. The styles are various, and the goods, it may be depended upon, are first-class in every respect, as nothing that is not so is issued bearing the imprint of this well-known house.

"The Winton Bicycle Book" is the title of a handsome publication issued by the Winton Bicycle Co., Cleveland, Ohio. It is finished in colors and thoroughly illustrated. It shows in addition to their own line of wheels some of the old-fashioned kind used in by-gone days.

The Dauntless Bicycle Co., Toledo, Ohio, are sending their friends a little catalogue containing specifications of the Dauntless Bicycle manufactured by them.

Curtis Pipe Wrench.

The American Saw Co,, Trenton, N. J., have met with great success in the sale of their Curtis Pipe Wrench, a specialty which they have pushed with energy and vigor. The special points advanced in its favor are the diagonal teeth of the alligator wrench on both jaws, and the fact that when applied to work on the first motion the jaws approach one another at once, taking an absolutely sure grip. On



the reversal of the handle the jaws quickly release, and then as quickly the return motion gives the sure grip again. In further explanation the manufacturers say: "The wrench is easily adjustable to different sizes, and also takes many sizes of pipes on one adjustment. When the pipe is close in a corner, or in any contracted space, this wrench can be adjusted to take hold when no other can. We know we have succeeded in making in this wrench the strongest, most effective, most convenient and durable one in the market, while it will be sold at no higher price than other wrenches which attempt to do similar work." They further state that if the local dealer cannot supply this wrench, they will send it C. O. D., free of all charges, at a price of $3.

W. L. Marks, representing Prince Wells' celebrated East India Stick Grapholine is now travelling in the East, and will wait on the trade at the New York Cycle Show, showing this celebrated chain lubricant, which needs no introduction to the trade, and described by the maker as "the original stick lubricant, which has been so widely imitated since its first introduction some three years ago."

J. H. Robley, representing the Falcon line of wheels, manufactured by the Yost Mfg. Co., Toledo, Ohio, has recently moved from No. 142 Chambers Street to No. 1 Park place, corner Broadway, New York. He says "that an increasing number of Hardwaremen are adding bicycles to their stocks." He will soon issue a catalogue of the goods he is handling.

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Building in 1895.

PROSPECTS IN ALL DIRECTIONS AS SEEN OFFICIALLY BY THE SECRETARIES OF THE BUILDERS' EXCHANGES—A VARIETY OF HOPEFUL PROSPECTS.

The opinions found below as to the building prospects for 1895 are official and instructive. The sale of important lines of Hardware is so dependent upon building operations that inquiries were made by HARDWARE to the secretaries of the various Builders' Exchanges, as to the outlook in their various sections for the coming year. The answers were courteously and promptly given, and such as have been received to date are hereby published in full.

PROSPECTS IN BOSTON.

Master Builders' Association: The present condition of the building trades of Boston is good; peculiarly so, when the dullness of the outlook at the beginning of the season is considered. The amount of building brought under construction steadily increased in volume until the total amount, completed and under way, at the close of the year, exceeded all indications of the early season. The influence of the present healthy feeling promises to favorably affect the volume of work for 1895 in a general restoration of confidence among real estate owners and persons contemplating building. The amount of new business in the hands of architects at this time, indicates that the total of work to be commenced in 1895 will compare well with the average of the years immediately preceding the recent financial depression. The condition of the relations between employees and workmen in the building trades is remarkably satisfactory, there being an almost entire absence of friction between the two. The existence of an arbitration agreement between the bricklayers, the stonemasons, the building laborers, and their employers, together with an effort on the part of the carpenters to establish a similar agreement, promises a continuance of the present amicable relations for the coming season.

IN BALTIMORE.

Builders' Exchange: As regards to the outlook for the coming spring I think, to the building interests, it looks fair. We have done a good business for the last year, considering the depression that has visited our entire country; and while the competition has been sharp and margins correspondingly small, yet we have been busy, and feel confident it will continue through 1895. Our city is growing steadily and surely. No boom, but a steady, healthy growth. And why not? We have everything to cause us to extend our borders and induce strangers, manufacturers and others to settle here—fine climate, cheap food, cheap and convenient homes, with markets that cannot be surpassed, and all necessities of life as low if not lower than any other city in the country.

IN WILMINGTON.

Builders' Exchange: As to the building business for the coming year we think it will be better than it was last year. Our building fell off one-half last year, and the Hardware business was very dull, but we are looking for an increase the coming year. We notice a tendency among architects and owners, and builders also, to use a better class of Hardware, and our dealers are making special efforts to display a fine line of Hardware in their cases. Our Hardwaremen display a good deal of enterprise in catering to the public, and, as a rule, carry a fine line of goods. There are several fine buildings either contracted for or plans being prepared for, and, altogether, the outlook is fair.

IN PROVIDENCE.

Builders' & Traders' Exchange: In relation to the prospects for the coming year, I am happy to say that the prospect for building the coming year was never better. The State has a new state house in the market for bids, and also a normal school building. The N. Y. & H. R. R. are pushing the erection of a large Union depot. The city contemplate the erection of four schoolhouses and a High School building. There are several large buildings for business purposes in process of plans, and the usual amount of residences and tenement houses will give full employment to all our builders in the near future. All are hopeful.

IN COLUMBUS, OHIO.

Builders' and Traders' Exchange: The prospects of building in Columbus and vicinity for the coming season are fairly good. There are several large office buildings in process of erection, and also two large hotels. Plans are being drawn for some three or four public school buildings and two large factories. One peculiarity about building in this city is the fact that very few dwellings are being constructed for the purpose of speculation. Nearly all the residences being built will be occupied by the owners and their families. The general feeling among contractors is that business in their lines will open lively with the return of warm weather.

LOWELL, MASS.

Master Builders' Exchange: In regard to your inquiry of business in our city would say that the actual prospects at this writing are not very promising, but there seems to be a general opinion among men of all classes that the early spring months will show a change for the better. Opinion is based upon the knowledge that at present the architects have no work in prospect, and moneyed men use the expression "that there is no inducement for any great outlay, as there are so many vacant stores and tenements," but, nevertheless, it is the common expression that in the spring business will be better—and so we all hope.

FROM FAR-AWAY DENVER.

Master Builders' Association: As per your request, I will say that the building interests for the coming season will be much better than they were last year. At least we are so informed by the architects. The general feeling is that we have passed over the worst of our hard times and business is looking better. Greeley is building a large school; Boulder a Masonic Temple and Cripple Creek a Masonic Temple. With new and rich discoveries in the different mining camps Denver will thereby be benefited to some extent.

NEW YORK CITY,

Mechanics' and Traders' Exchange: In regard to the outlook for the building trade for this year 1895, the writer, from his personal observation, and from gleanings among the members of this Exchange, ventures to say that the prospects are good. It is hardly probable that industries will remain in their present condition. I personally look for a revival, and nearly every one is of a similar opinion, One thing is certain, the hoped-for revival adds a certain amount of confidence,

THE REPORT FROM BUFFALO.

Builders' Association Exchange: As to the outlook for building for the spring and summer it is a little early to express our opinion, although the feeling seems to be that we shall have a good year in Buffalo. Several large buildings are talked of that will cost from two hundred thousand to one and one-half million each. If the "Electric Power" reaches us from Niagara Falls in the spring I do not think there will be any question as to the Buffalo boom for 1895.

PORTLAND, ME.

Builders' Exchange: In answer to your inquiry, will say that the prospects for business the coming year are as good as have been for a long time. I think we have had our hard time.

DETROIT'S PROMISING OUTLOOK.

Builders' Exchange: The prospects for building during the coming spring and summer are very promising, judging by the condition of things in the architects' offices. I base

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my opinion upon the facts that they are making new sketches, and because many of the plans which were laid away when the panic came are being called out now. A renewal of commercial confidence will revive business in the building trades. Let us hope for the best.

PITTSBURG.

Builders' Exchange: The prospect for building during the coming season appears brighter. One large brick building has been let, contract price $300,000; two more are talked of, and the architects consider prospects good, but prices low in all branches. Dwellings will lead in the number of buildings this season, as many of the business houses, some on prominent streets, remained idle during the past year.

INDIANAPOLIS.

Builders' Exchange: The prospect for building in our city is very good for the coming year. Plans for several large buildings and blocks are now out for figures. The members of our Exchange have been generally employed during the past year, and say they see much more in sight for the coming year in this city.

GRAND RAPIDS, MICH.

Builders' and Traders' Exchange: Although rather early in the season for any definite knowledge of building in our city this year, I will say that, from all present indications, we will have a prosperous season. Plans are already out for three or four large buildings, which at this time would indicate considerable work.

MILWAUKEE'S REPORT.

Builders' and Traders' Exchange: Building prospects are exceedingly bright, and the members of the Exchange expect to see a prosperous building season.

ST. LOUIS: BRIEF, BUT GOOD.

Builders' Exchange: In reply to your inquiry will state that the building prospects for the year 1895 in this city are very good.

National Bicycle Exhibition.

From present indications the success of the first National Bicycle Show, to be given January 19th to 26th, at the Madison Square Garden, at New York, is assured. Every bit of space in the arena has been engaged, and the indications are that even the upper sections will be engaged days before the show opens. Every exhibitor of any importance in this country will be well represented, and the display of cycling improvements will in itself direct the close attention of every wheelman.

Among the novelties will be the bamboo bicycle and the motor machine, which will be seen in New York for the first time. The motor cycle should attract great attention. The principle of this wheel is a noteworthy invention. The power is furnished on the principle of a drop of naptha falling into the cylinder and exploding, driving back and forth in the cylinder the piston rod which is attached to the gearing that turns the rear wheel. The motor is located in the rear of the rear wheel, and the speed is controlled by a rod running from the motor to the handle bar; the regulation of the speed is a matter of an instant.

The tire exhibit will be exceedingly large, as there are now at least a score of firms making these necessary articles.

Stage performances in connection with the show will be the biggest of its kind ever given. The best trick riders in in the world have been engaged for the entire week.

The following is a list of exhibitors:

Abbott, Wheelock & Co.,
Ames & Frost Co.,
American Dunlop Tire Co.,
Ames Mfg. Co.,
Anglo-American Iron & Metal Co.,
American Sewing Machine Co.,
Burtis & Zimmerman,
Burns-Elliott Simplicity,
Bidwell-Tinkham Cycle Co.,
Barnard & Co.,
Bowman, Sid. B.,
Buffalo Cycle Co.,
Biddle Hardware Co.,
Black Mfg. Co.,
Boston Woven Hose & Rubber Co.,
Bridgeport Gun Implement Co.,
Butler & Ward,
Climax Stopper Co.,
Cushman & Denison,
Cole & Co., G. W.
Climax Mfg. Co.,
Cortland Wagon Co.,
Crawford Mfg. Co.,
Columbia Rubber Works Co.,
Champion Mfg. Co.,
Curtis-Child Mfg. Co.,
Cyclone Comb. Cycles,
Davis & Stevens Mfg. Co.,
Dunphy & Sons, John,
Densmore-Yost Co.,
Demorest Mfg. Co.,
Eagle Bicycle Mfg. Co.,
Excelsior Needle Co.,
Eastern Rubber Mfg. Co.,
Elastic Tip Co.,
Empire Bicycle Mfg. Co.,
Faxon & Co., O. J.,
Garvin Machine Co.,
Gormully & Jeffery Mfg. Co.,
Guyon & Co., Ltd., C. F.,
Geneva Bicycle Co.,
Grand Rapids Cycle Co.,
Gilbert & Co., F. C.,
Globe Cycle Works,
Hill Cycle Mfg. Co.,
Hart, Jr., W. H.,
Humber & Co.,
Hitchcock Mfg. Co.,
Hulbert Bros. & Co.,
Hunt Saddle Co.,
Indiana Bicycle Co.,
Indianapolis Rubber Co.,
Keating Wheel Co.,
Light Cycle Co.,
Lipe & Brown,
Lengs, Son & Co., John S.,
Lovell Arms Co., John P.,
League Cycle Co.,
Manhattan Optical Co.,
Mechanical Rubber Co.,
Myers Mfg. Co.,
McKee & Harrington,
Morgan & Wright,
McMullen & Co., R. B.,
Mechanical Fabric Co.,
Newton Rubber Works,
New York Standard Watch Co.,
New Departure Bell Co.,
New York Belting & Packing Co.,
New York Tire Co.,
Parsons & Mullen,
Pneumatic Saddle Co.,
Premier Cycle Co.,
Pope Mfg. Co.,
Pierce & Co., Geo. N.,
Pratt & Whitney,
Peerless Mfg. Co.,
Porter & Gilmour,
Plymouth Cycle Mfg. Co.,
Queen City Cycle Co.,
Raleigh Cycle Co.,
Relay Mfg. Co.,
Remington Arms Co.,
Read & Sons, Wm.,
Rosenfeld & Co., Louis,
Smith Tire Co., L. C.,
St. Louis Refrig. & Wdn. Gutter Co.,
Sager Mfg. Co.,
Syracuse Cycle Co.,
Starr Cycle Co.,
Stearns & Co., E. C.,
Shepard & Sons, H. G.,
Sterling Cycle Works,
Snell Cycle Fittings Co.,
Schoverling, Daly & Gales,
Striebe & Foot,
Scheffey & Co., A. M.,
Spalding & Bros., A. G.,
Tillmann Magneto Dynamo Co.,
Union Cycle Co.,
United States Tire Co.,
Wilson-Myers Co.,
Warwick Cycle Co.,
Wilhelm & Co., W. H.,
Western Wheel Works,
Williams & Co., J. H.,
Warren Co., J. J.,
Waltham Mfg. Co.,
Wolff & Co., R. H.,
Weston & Co., I. A.,
Yost Mfg. Co.,
Warrick-Stockton Co.

The Salem Wire Nail Co., Salem, Ohio, announce that in October, 1894, the arrangement by which Peden & Co., of Houston, represented them in Texas, was discontinued by mutual consent. Since that time they have not been represented in that State, but announce that they have now arranged for representation by J. H. Shelly, of Dallas. He traveled for many years in Texas for the Beck & Corbitt Iron Co. and other concerns. This arrangement took effect January 1st, and as the gentleman named is well posted in the nail business, the company feel great satisfaction in securing him to represent them in that field.

Joseph Rodgers & Sons, Ltd., Sheffield, England, with American headquarters at No. 93 Chambers Street, New York, are sending their friends a handsome placard containing their trade mark, their well-known quotation "Cutlers to the Queen," and other matters serving to call the name of this old and famous house to the attention of the trade. The placard is very handsomely printed in colors, with raised figures and letters.

The popular Hardwareman, Joseph Steuernagel, of Steuernagel Bros., No. 298 Ohio Street, Allegheny, Pa., is again able to be out, after an eight weeks' siege with typhoid pneumonia. His many friends are pleased to see him around again. He reports business improving, and looks for good trade for the coming year.

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Review of the Markets.

Money: The usual drain of gold during December is still a main point of discussion in financial circles, and it must be admitted that some apprehensions exist as to the continuance of these shipments in 1895. Usually the actual gold movement does not set in before January and February, at which time there exist reasons for an outward movement. During the present winter, however, this movement has taken place earlier than usual, and this naturally has created the uneasiness as to what will occur during the remainder of the year. It would be difficult to state what remedy might be applied beyond the one so often suggested, which is to cause renewed confidence in American stocks and bonds in the minds of European investors. It is a fact that this confidence does not exist in the degree that might be desired, and there is little doubt that Europe is returning our securities in no small quantities. One thing in our favor is that we have a large cotton crop this year as well as a large wheat crop, although Europe has not taken our agricultural products with that freedom which might have been desired. One ray of light upon the situation is that, in the long run, we will again have the confidence of European investors, and, as has been suggested, "will probably sell back to them at advanced prices the very securities we are now buying of them." The eyes of the financial world will be for some time turned with exceeding interest upon Congress. A little practical wisdom at Washington just now will be of great benefit to the general business of the country.

In Hardware lines little can be said beyond what was voiced in our last report. The invoicing now going on will, when completed, be followed naturally by renewed energy and an increase of business, the extent of which is dependent upon several questions. There is no possible doubt as to the retail trade throughout the country holding depleted stocks. It is a matter of history to every one that during the past year this trade has been ordering from hand-to-mouth, covering only absolute needs. This may also be said with truth of the jobbing trade. Naturally the manufacturers, because of these small demands, and of the uncertainty existing regarding legislation during 1894, have refused to accumulate stocks of goods. As a result they will be taxed to their utmost capacity when the demand comes with a resumption of the late winter business.

The general reports from all sections are that prospects are very much brighter now than they were at this time in 1894. One thing that seems to be needed, perhaps, as much as any other, is that some one shall guarantee that prices have reached rock bottom. It is the opinion of many well posted Hardwaremen that this point has been reached, but the cautious buyer is cautious still and refuses to take more than he absolutely needs, in the expectation that a reduced price may come at a later date. When the turn does come, and he thoroughly understands that the bottom point has been reached and passed, he will make active exertions to cover lost ground, and his very endeavors to secure goods before there shall be a further rise will accelerate the movement in that direction. We quote the opinion of one who has carefully studied the situation: "The present low prices of goods will have little effect in stimulating production, the limit of profit being too light to carry large stocks. Prudent buyers who know this and realize the importance of having their stock in hand when the season's trade opens, are now freely giving their spring orders. Manufacturers are more apt, they know, to take them when an absence of a regular demand permits them to run on longer time on special orders, and promise a positive date of shipment. More orders were turned down last year from actual inability to produce than will happen again, the orders having been given at too late a date to guarantee fulfilment of promises, the result of which has been to make the buyers this year more freely anticipate their wants, and this state of affairs is always advantageous to a manufacturer."

Coming down to details, we find that in Hinges, as far as prices are concerned, there appears to be no change. The business, however, shows a little more activity than it did this time one year ago. In Tacks, the demand now is about the same as it was for the corresponding period of 1894. Prices are fairly well maintained. In Locks, there is practically no change, and from present appearances there will be none during the season just begun. Prices are exceedingly low, and bid fair to remain so. Cabinet Locks are lower than ever before. Business in these lines is quiet just now, probably due to the fact that the different houses have been at work closing their books. The prospects are that the volume of business will increase as the season advances.

The nail market is very dull, as it generally is in January. There is no building going, comparatively speaking. Carloads on the dock are selling from 85 cents to 90 cents according to assortment. The dealers' stocks on hand are light.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot..... ℔	11
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¾
Anchor Rolling.....	10½
Baltimore Rolling	10½
Orford.....	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c. ℔	
Over 3½ to 5 " " ..18c. ℔	
Square and Hexagon Rods, 1c. ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive...18c. ℔	
Over 3½ to 5 " " ...19c. ℔	
Antimony.	
Hallett's .....℔	8½
Cookson's.....	10
Lead.	
Foreign .....℔ ..	nominal.
Domestic.....	3½@3¾
Spelter.	
Foreign.....℔	4¾
Western, common	4@4¼
Zinc.	
Sheet, cas.k.....℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin.....	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5½
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	5.00
Charcoal Ternes:	
Worcester, 14x20.....	4¾
Do. 20x28.....	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, 14x20.....	4½
Do. 20x28.	9.10
D. R. D. grade, 14x20.....	4¾
Do. 20x28.	8½

In the paint market, consumers have very little inclination to buy, because of the usual holiday lull. During this time manufacturers have taken the opportunity to close their works and give them the usual annual overhauling. The indications are that when business settles down again to its regular course, things will move with activity, and a good spring trade is looked forward to. Prices may be regarded as practically at a standstill. White Lead is low in price, Zinc and Dry Colors are dull, while Colors in Oil are having a good inquiry for this season of the year. There is practically no demand for mixed paints, and will not be for several weeks yet. The recent price list issued by the National Lead Co., which is subject to change without notice, is as follows: "Pure White Lead, dry and in oil, Red Lead or Litharge in kegs, in lots of less than 500 pounds, 5¾ cents net; in lots of 500 pounds and over, 5¼ cents. Red Lead and Litharge in barrels and half barrels, ¼ cent per pound less than price in kegs. White Lead in 25-pound tin pails, ½ cent; in 12½-pound tin pails, 1 cent; in 1 to 5 pound tin cans (100 pounds in a case), 2½ cents per pound above keg price. Terms: On lots of 500 pounds or more, 60 days, or 2% discount for cash if paid within fifteen days from date of invoice. Special prices for Dry White Lead in barrels."

In Red Lead several orders have been noted, with prices ranging from 4½ to 4¾ cents. In Litharge, rather more inquiry is reported from the glass trade, with little demand from the rubber factories. In Zinc there has been a better call since the year opened, although the demand is rather slack for home consumption. For jobbing, prices remain from 3¾ to 4¼ cents. German is rather dull, and is quoted at 4¾ to 4⅝ cents. In Barytes a slightly better condition has prevailed, and prices are now quoted at $16 to $18 for prime white. In Putty the output for the past month has

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been considerably curtailed. Bulk lots may be had at $1.45 and $1.75. In colors in oil the demand is unusually good for this period of the year.

In Window Glass the month has been very quiet, and there does not seem to be an indication of an improvement until buyers begin to provide for their spring needs. There has been no change in prices. The discount on French is from 70@70 and 10.

Clapp & Co., bankers and brokers, New York, hail the advent of the new year in these words: "The financial giants, Industry and Economy, hail the dawn of 1895 with courage, The shadows of the night are not easily renewed in the light of day. Public funds or private purses are not endangered by making good dollars better or more plenty, or fixed charges lighter. American manufacturers, farmers and planters are not worrying over quality of dollars so much as quantity of profits. Uncle Sam's dollar is still better than its distribution or its distributor, but all can and will be improved. Straws.—Recent reports indicate wages are about 16.33 per cent. greater than in 1893, and 21.77 per cent. less than in 1892. About 14,692 failures in 1894 show liabilities of about 167¼ millions or less than half those of 15,242 failures in 1893, Merchandise imports, $436,021,173. Duties, $88,231,102. Net gold exports, 78 millions; silver, 34 millions. United States Sub-Treasury received $1,209,958,614.42, payments were $1,142,764,301.74, the gold withdrawn was $116,560,903. Silver, $10,767,639. Bonds.—About $134,785,000 new issues were listed on New York Stock Exchange in 1894, the last six months showing increase over first half. Total old and new issues, $259,884,600. Over 90 per cent. of the new issues were on Southern railways. Government bond syndicate sold about 10½ millions around 119. Choice bonds in good demand. Questionable in excessive supply. Only 1 per cent. of municipal bonds issued in past four years failed to pay interest."

THE BOSTON TRADE.

It is not expected that this, the first week of the New Year, will show any evidence of that increased activity which has been predicted during the closing week of 1894. The fact that traveling salesmen are all at home making necessary preparations for new conditions that may arise during the coming season, and that the energies of both their customers and employers are directed toward the closing of their stock account, are causes which always at this season materially interfere with the volume of business.

It is too early to predict with any degree of certainty what the present year will bring forth. If the condition of trade as reported by our contemporaries throughout the country is to be depended upon, there is much that is encouraging. We sincerely trust that at this time, when all are anxiously looking at the results of the past year, they may find a pleasant degree of satisfaction, and that the year just opening may bring to everyone identified with interests like our own an abundance of happiness and prosperity.

FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

The first of the year finds jobbers very busy in overhauling prices and samples for the coming year and footing up stock for the year that is past. Most salesmen are off the road for a few days, spending the holidays with their families, and business is ordinarily at a standstill for the first two weeks of the year.

The late cold snap, however, put a very different aspect on the face of things, and orders for skates, sleds and sleigh bells kept jobbers quite busy in a small way, and many thousand pairs of skates have been hastily shipped within the last few days. Of course it would have been better for the holiday trade if the cold snap had come two weeks earlier, but the demand for skates is so general it is quite evident that stocks of retailers are exhausted, and the probabilities are that there will be a good demand for skates next fall. It is generally felt that cold weather means good spring trade, as the supply of ice in the country is now generous, and refrigerators and ice cream freezers will doubtless be in good demand in consequence.

A comparison of prices with those of a year ago shows, as might be expected, very decided changes, especially on those goods which are near the raw material. It is evident this is realized by the trade, as already we have heard of some new stocks being bought, and the impression is general that it is a safe time to lay in stocks, and a more hopeful feeling, both as to trade and prices, prevails for the future.

Bicycles are also the subject of many inquiries, and the attendance at the Bicycle Show next week in New York promises to be large. It is surprising to what an extent this event is regarded as a trade matter, and it is evident that the promoters expect a great deal of business to result directly from the show.

BIDDLE HARDWARE CO.

THE DAVENPORT TRADE.

Values continue to shrink; the long looked for bottom to Hardware prices has not been discovered. Will some one advise the readers of HARDWARE the exact period when this phenomenon will appear?

Trade is very good, and better than a year ago. Collections are better than usual at this season of the year. The banks report business brisk, a very large percentage of time paper being paid promptly at maturity. A bank president says: "We have a large demand for money, and plenty of money for the demand, and no failures to report."

The Iowa railroad commissioners have been asked by the railway companies to advance the minimum rate of freight in the State, the final hearing occurring on the 28th ultimo. The matter is now under advisement, and the decision is looked for with vital interest by heavy shippers. Bids have been opened and are now under consideration for building a new and elegant city hall in Davenport. The chief of ordinance, U. S. A., has reported the necessity of a new bridge across the Mississippi at this point, with increased activity, asking Congress to appropriate $495,000 for this purpose. An effort is being made to establish a new telephone company here. At the United States arsenal here has been concentrated all the work of furnishing the equipments for the three branches of the service, that is, artillery, cavalry and infantry, including field and siege carriages of all kinds, excepting the ordinary transportation wagons, which are furnished by the quartermaster's department.

The holiday passed pleasantly; Santa Claus was kind to us all. We enter upon the duties of 1895 with increased hopes and vigor, and wish the readers and patrons of HARDWARE a very happy New Year.

SICKELS, PRESTON & NUTTING CO.

THE GRAPHITE INDUSTRY.

We have scarcely time before you go to press to properly transmit the result of the year's influence on our business. To put a communication into shape worthy of your valuable space, would require careful monthly comparisons which we cannot at this time accomplish.

To generalize: The year has closed quite satisfactorily, with steadily growing business, commencing in August; since which time the marked increase has done much towards an offset to the dullness of preceding months. This increase has been healthy and steady, covering all our Graphite productions, and notably in the line of Lead Pencils, Crucibles and Lubricating Graphite.

Early in the spring we established a Brass Department, fully equipped with the best of modern machinery, and later a plant for the manufacture of first-class rubber goods. These two departments, heretofore given to outside contractor, represent a large money outlay, and enables us to control a very important part of the business of manufacturing stationers' supplies; we mention it as an evidence of

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our faith in the belief of a permanent return of good business.

Our vice-president, John A. Walker, spent several weeks in Europe during the summer, having had many pleasurable interviews with foreign business friends of the Dixon Co., and returned full of ideas and zeal by which we have profited.

The year closed with an encouraging line of orders booked for delivery during the next three months, and we are now running our three Jersey City factories, two Ticonderoga Graphite mills, and the Florida cedar mill on full time with the largest pay roll in our history. Collections are prompt with a disposition to take advantage of discount for cash. The regular semi-annual dividend to stockholders was paid January 1st. JOS. DIXON CRUCIBLE CO.

Jersey City, N. J.

Importers and Traders' Bank Statement.

Statement of the Importers' and Traders' National Bank of New York, January 2d, 1895:

RESOURCES.

Discounts		$16,495,785 82
U. S. 4 per cent. Bonds at par		50,000 00
Real Estate		200,000 00
Demand Loans	$5,525,459 17	
Due from Banks	884,593 83	
Checks and Bills of other Banks	2,215,478 45	
Specie and United States Notes	8,068,922 00	
		17,594,453 45
		$34,340,239 27

LIABILITIES.

Capital	$1,500,000 00	
Surplus	5,000,000 00	
Total Capital (Including Surplus)		6,500,000 00
Undivided profits after paying Dividend January 2d, 1895		399,805 70
Circulation		45,000 00
Deposits		27,395,433 57
		$34,340,239 27

This Bank will be pleased to receive accounts.

E. H. PERKINS, Jr. President.
E. TOWNSEND, Cashier.

Judge Andrews, of the Supreme Court, granted a motion on the 18th of December for the appointment of a receiver for the firm of Peoli & Willey, Hardware and cutlery commission merchants, No. 97 Chambers Street, New York, in a suit brought by Daniel R. Peoli against Albert H. Willey, on account of disagreement of the partners. Mr. Peoli was appointed receiver by the judge.

Max C. Smith, No. 3611 Butler Street, Pittsburg, Pa., is one of those genial, whole-souled men sometimes met with, and those who drop into his Hardware store and spend a half hour with him, come away feeling the better for it. He handles Hardware, fancy and general; tinware, stoves, and house-furnishing goods—in fact, all that constitutes a good line in Hardware.

A change has occurred in the management of the Pickett Hardware Co., Warren, Pa. H. A. Jamieson becomes chairman of the company; E. T. Holmes, treasurer, and H. G. Stillwell, manager.

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

—MADE BY—

THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

BAKING JAPANS AND LACQUERS A SPECIALTY

NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



Advertising Novelties.

Advertising Tapes, Yard Sticks, Foot Rules, Memorandum Books



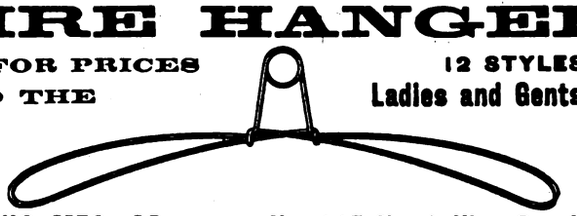
Advertising Pencils, Package Handles, Fire Alarm Chips.

BOSTON TAPE MFG. CO.,

103 Milk Street, Boston, Mass.

"WIRE HANGERS."

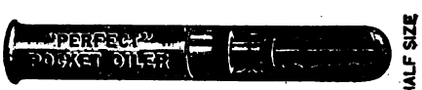
WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO, No. 115 North Vine St., Hazleton, Pa.

THE BEST OILER IN THE WORLD Is the "PERFECT" POCKET OILER.



HALF SIZE

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other oilers. Be sure to get a "Perfect." Price, 25c. each. Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."

CUSHMAN & DENISON 172 9th Ave., N. Y.

The John P. Lovell Arms Co., Boston, Mass., have issued a handsome calendar for 1895. The engraving represents the earth girdled by the users of the various well-known sporting and athletic goods of that famous company.

Edwin Woodward, Styker, Ohio, a machinist, who does general repairing, writes: "I enclose one dollar for HARDWARE renewal. I consider it very valuable."

"SOLID COMFORT" SADDLES FOR BICYCLES.

TWELVE NEW STYLES FOR 1895. DESIGN AND FINISH ARE UNSURPASSED.

Manufacturers and jobbers should get our prices before placing orders. Our designs are up to date.

Our Prices are "Rock Bottom."

CURTIS-CHILD MANUFACTURING CO.,

Send for new list. PHILADELPHIA, PA.

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The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)
2nd. It is the Best Razor Sharpener.
3rd. It gives the Smoothest Edge.
4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY

STROPINE CO., 62 Purchase St., Boston, Mass.

The Philadelphia Association's Annual Gathering.

The ninth annual banquet of the Hardware Merchants' & Manufacturers' Association, of Philadelphia, will take place on Wednesday evening, January 23d, at the Manufacturers' Club, on Broad and Walnut Streets, Philadelphia. The affair is in charge of the following committee:

Fayette R. Plumb, Chairman; William W. Supplee, Lewis W. Klahr, Samuel Disston, T. James Fernley.

The annual banquet of the Association has become a matter of great social importance in Philadelphia, and it is expected that the next one will compare favorably with those of other years. This Hardware Merchants' & Manufacturers' Association has grown rapidly during the past year, the gain in members being 79 per cent.

The annual election of officers for 1895 will take place on the 15th inst., the following gentlemen being nominated:

President, Wm. W. Supplee.

Vice-president, Samuel Disston.

Secretary and treasurer, T. Jas. Fernley.

Board of Directors—Charles M. Biddle, Samuel Disston, Fayette R. Plumb, Elmer E. Brown, William W. Supplee, Charles M. Ghriskey, John R. Griffith, Hugh McCaffrey, T. James Fernley.

At the last meeting the following were elected to membership:

Cleveland Stone Co.
New Castle Wire Nail Co.
Livingston Nail Co.

The Syracuse Cycle Co., Syracuse, N. Y., are sending their friends a 15-inch, boxwood brass rule, intended for use on the office desk. In a little accompanying circular headed "Keep your eye on the Crimson Rims," they say: "You may think this is intended for a Christmas present. It is not. Our purpose is to permanently photograph upon your memory the words Syracuse Bicycles."

The Cleveland Faucet Co., of Cleveland, Ohio, one of the largest manufacturers of brewers' supplies in the country, have located a branch office in Toledo. John Schultheis, for a number of years with B. A. Stevens & Co., Toledo, has been appointed general agent of the Toledo house.

The National Skewer Co. have put their factory at Jackson, Tenn., into operation, and will close down those of Marion and Muncie, Ind., and Geneva, Ohio. The object of this change is to get closer to the timber lands from which their supply is drawn.

The Barstow Stove Co., Providence, R. I., with branch offices in New York and Boston, are sending their friends a little candle, in the interior of which is found a roll referring to their line of Bay State ranges, furnaces and parlor stoves for 1895.

The Clinton Wire Cloth Co., Clinton, Mass., have just completed a new boiler house. The roof is of iron, covered with the Berlin Iron Bridge Co.'s patent anti-condensation corrugated iron.

Walter Adams, manufacturers' agent, has again resumed business at his old quarters, No. 116 Chambers Street, New York, handling the same line of goods as heretofore.

A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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The Layman Pneumatic Sporting Boat





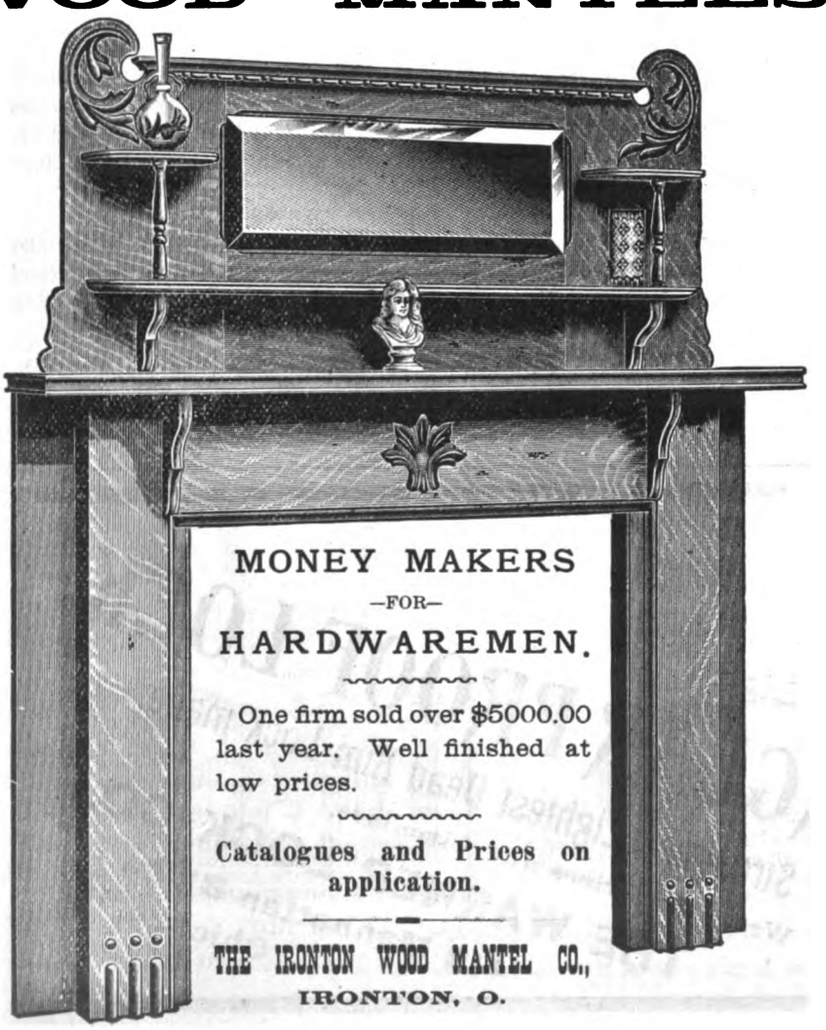
IT is the safest, lightest and most compact portable boat on the market. Weighs 15 lbs., is easily inflated, and can be carried in a hand bag when collapsed. It is made of the best rubber duck cloth, in four separate compartments, has loops for erecting a blind, absolutely safe in any waters Splendidly adapted for hunting and fishing. Being paddled by the feet, the hards are left free to handle either rod or gun. A success in every way. It is also made with full length wading pants. For circular and further particulars apply to the sole manufacturers.

AGENTS WANTED.

A. G. SPALDING & BROTHERS,

126-130 Nassau Street, NEW YORK. **147-149 Wabash Avenue, CHICAGO.** **1216 Chestnut Street, PHILADELPHIA.**

WOOD MANTELS.



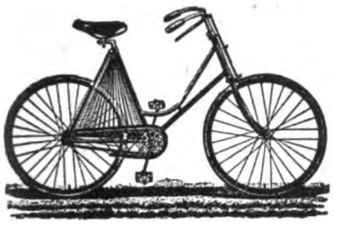
Tower & Lyon, No. 95 Chambers Street, New York, are handling a line of castors, stove trucks, etc., manufactured by the Gwinner Mfg. Co,, Hamilton, Ohio. They are also offering a razor known as the Charles E. Buck razor, and are manufacturing a razor strop to sell in connection with the above mentioned razor. George Paddock, formerly with the U. S. Net & Twine Co., New York, a young man favorably known to the trade, will represent Tower & Lyon in the South and some portions of the West.

The Julius Andrae Co., of Milwaukee, Wis., will hereafter be known to the trade under the name of Julius Andrae & Sons' Co. A new company has been organized with the following officers: Julius Andrae, Sr., president; Homer Andrae, vice-president; F. T. Andrae, secretary, and H. P. Andrae, treasurer. This change is practically only a change in name, for the business will be continued exactly in the same way as it was heretofore.

Edward F. Keating, a Hardware merchant of New York, was the recipient of a handsome silver decanter, presented by his employers, on December 31st.

The Sterling White Lead Co., Pittsburg, Pa., are sending their friends an attractive calendar for 1895.

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EVERY
HARDWARE BUYER
OF THE



EAST, WEST, N E W S NORTH & SOUTH

SHOULD INSPECT THE

"Imperial Wheels"

REGISTERED TRADE MARK.

AT THE

CHICAGO CYCLE SHOW,
January 7th to 12th.

NEW YORK CYCLE SHOW,
January 19th to 26th.

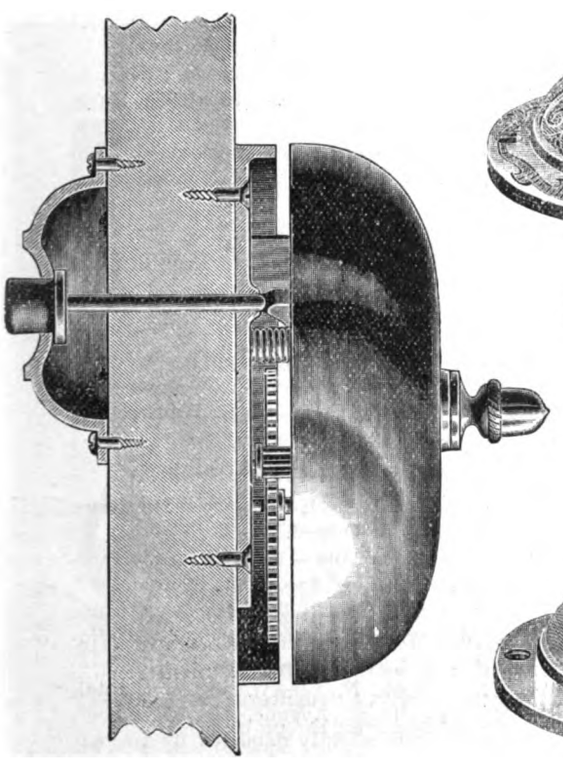
Lighter, Swifter, Handsomer, Stronger Than Ever.
Most Salable Line for 1895.

Write to AMES & FROST COMPANY, Chicago, Ill.

1895

The LATEST and BEST are the

MULTI-STROKE DOOR BELLS.





THEY PRODUCE
Electrical Results,
Operate with a Push-Button,
Have No Clock Spings,
and Require No Winding.





3½ in. $16.00 per doz. {PRICES} **4 in. $22.00 per doz.**

Write for Discounts. **HARMON & DIXON,** General Agents,
118 CHAMBERS STREET, NEW YORK.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Akron, Ohio.—L. W. Loomis.
Americus, Ga.—Bell & Fite.
Birmingham, Ala.—P. Walsh.
Cochran, Ga.—W. O. Peacock.
Corning, N. Y.—Charles E. Drake.
Cortland, N. Y.—George H. Gleason.
Davis, Ill.—Will Glanville.
East Brookfield, Mass.—Keith & Hiscock.
East Douglas, R. I.—Walter E. Jones.
Eureka Springs, Ark.—J. W. Newport.
Franklin, Iowa.—F. Weber.
Hayneville, Ala.—John P. Streety & Co.
Lexington, Ohio.—Ritter & Shuler.
Orangeburg, S. C.—Brunson & Bros.
Orangeville, Ohio.—A. E. Hunt.
Philadelphia, Pa.—Schlett & Sons.
Philadelphia, Pa.—William McKinney & Co.
Smyrna, Me.—Joseph Fisher.
Tampa, Fla.—L. B. Lee.
Utah, Ala.—Thomas Carrington.
Winterset, Iowa.—G. W. Garner & Co.

Record of Changes.

Barton, Fla.—Claxton & Culver is the style of the new Hardware firm, G. C. Culver, of Iowa, having bought a half interest in the business with W. R. Claxton.

Cameron, Wis. — Frederickson Bros., Hardware, succeeded by C. Frederickson.

Centralia, Mo. — Wills & Henry, Hardware, R. S. Tucker succeeds J. W. Wills in the Hardware business, Mr. Wills retiring on account of ill health.

Clinton, Mich. — Brown & Kispaugh, Hardware and agricultural implements, succeeded by Lindsey & Kispaugh.

Coldwater, Mich.—Emery Billman, Hardware, etc., sold stock to Bert Bohner.

Corinth, Miss.—J. F. Small & Co., Hardware, succeeded by Small & Elgin.

Currie, Minn.—William W. Goble & Co., Hardware, removed to Fairview, S. D.

Fond du Lac, Wis.—Mrs. J. R. Smith has sold her stock of Hardware and stoves to Edward Foulks.

Forest City, Iowa.—J. B. Jewell, Hardware, reported sold out to S. C. Gardner.

Fort Branch, Ind.—Victor Bros., Hardware and tinware, reported out of business.

Gas City, Ind.—Mrs. F. P. Powell has sold the Gas City Hardware Store to Frank Goodnight, of Kempton, Ind.

Glens Falls, N. Y.—W. J. Hall has purchased the Hardware stock of W. H. Burnett.

Gobleville, Mich.—W. S. Crosby is reported to have purchased Richardson & Ternan's Hardware store.

Harnett, Kan.—Morris & Anderson, Hardware, succeeded by Anderson & Miller.

Havana, Ill.—J. White has purchased the Hardware stock of D. Kendle, and is enlarging his business.

Lott, Tex.—Trice & Lawless, Hardware, reported as having dissolved partnership.

Minneapolis, Kan. — F. M. Spalding, Hardware, sold out business and will remove elsewhere.

Modale, Kan.—J. J. Blessington, Hardware, reported sold out.

Newport, N. H.—Ira Stowell has disposed of one-half of his Hardware business to John C. Silsby, of Sunapee, who has taken possession.

North Bend, Neb. — Jacob A. Wolfe, Hardware, succeeded by Wolfe & Kelly.

Omemee, N. D. — Olmstad & Dixon, Hardware, succeeded by George W. Dixon.

Peru, Ill.—C. Hobbs and Ed. Schweigert have purchased the stove and Hardware business of Weissenberger & Mosbach, and are now in possession.

Reading, Pa.—Bricker Bros., Hardware dealers, No. 831 Penn Street, disposed of their Hardware stock to A. W. Goodrich, of Clearfield Spring, Md., who is now in charge of the business.

Sheldon, Iowa.—Smith Bros., Hardware, J. Smith sold half interest to M. Logan.

Topeka, Kan. — The Hardware firm of Shelden & Shelden has been dissolved.

Warren, Ohio. — G. L. McIntosh has bought out his partner, C. C. Craft, in the Hardware business on Main Street.

West Bay City, Mich.—E. L. Mather, of Mosher, Bissell & Mather, Hardware merchants, has disposed of his interest in the company.

West Concord, Minn. — C. N. Webb, Hardware, succeeded by H. Stockwell.

Wetmore, Kan.—Lynch & Ferrell, Hardware, dissolved partnership. Ferrell continues Hardware, and Lynch pumps and windmills.

Willimantic, Conn.—Frank S. Fowler, of this city, has formed a partnership with John Morrison, of Salem, Mass., in the Hardware business.

Yarmouth, Me.—John A. Griffin, stoves, succeeded by Griffin & Russell.

Record of Improvements.

Amboy, Minn.—The firm of Baker, Behm & Wilder, dealers in Hardware, have built a new block, which will be used exclusively for their Hardware stock.

Blaine, Me.—F. L. Lowell, the Hardware merchant, has made extensive improvements in his Hardware store.

Danville, Ill.—J. R. Essex has leased the north room in the Gregg-Platt block on North Vermilion Street and will move his stock of Hardware into it as soon as the building is finished.

East Cambridge, Mass.—Councilman McGuire has moved his bicycle and Hardware business to No. 247 Cambridge Street.

Elwood, Ind.—J. A. Hunter, the Hardwareman, will occupy the west room of the new Harting block on East Main Street about the middle of January.

Laurel, Del. — Samuel T. Smith's new Hardware store in the Opera House block is now completed.

Rich Hill, Mo.— Whitfield Bros. have moved their Hardware stock from St. Joseph, Mo., to the Ingels brick block on east Park Avenue, this city.

Washington, D. C.—The Hardware store of Albinson & Chase, No. 1722 Fourteenth Street, N. W., recently destroyed by fire, has been rebuilt, and the company are now ready for business.

West Branch, Iowa.—F. F. Fisher is having his Hardware store remodeled.

Westport, N. Y.—John W. Smith is building a new Hardware store.

Business Embarrassments.

Cincinnati, Ohio.—F. C. Blikle, Hardware dealer, has assigned to Gabriel Dirr. Assets and liabilities about $18,000 each.

Cincinnati, Ohio. — George A. Share & Co., dealers in carriage Hardware, have assigned to Louis A. Share. The liabilities are about $32,000 and the assets $30,000.

Fremont, Ohio.—Lucas Bros., Hardware dealers, have made an assignment. Liabilities, $5000; assets unknown.

Moberly. Mo.—Ed. Jones, Hardware merchant, has made an assignment to H. A. Martin. Liabilities, $2000.

Ottawa, Can.—L. L. Pierce, Hardware merchant, No. 274 Bank Street, has assigned to R. C. W. McCuaig.

Stromsburg, Neb. — Edward Carlson, Hardware merchant, has assigned. Liabilities, $5000; assets, $7000.

Tacoma, Wash.—The Puget Sound Hardware & Stove Co. have assigned. The assets are placed at $29,000; liabilities, $22,000.

Washington, D. C.—Albert L. Pitney, dealer in Hardware, has assigned to Charles T. Yoder for the benefit of his creditors. Liabilities, $18,248.58.

Wilmington, N. C.—Giles & Murchison, Hardware merchants, have assigned.

Burglaries in Hardware Stores.

Baraboo, Wis.—F. N. Gaskell, cutlery.
Bristow, Iowa.—Haven & Morehead, $50.
Dallas, Tex.—W. J. Bell, $200.
Emporia, Kan.—Haynes Bros., revolvers.
Fillmore, Ind.—James Nichols, cutlery.
Goshen, Ind.—F. B. Minnick, $600.
Maquon, Ill.—S. H. Antsook, revolvers.
Middlebranch, Ohio. — Hershey's Hardware store, $60.
Mishawaka, Ind.—George Morse, Jr., $30.
Mt. Pleasant, Pa.—J. S. McKean & Sons, $200.
Palmyra, Neb.—D. Wait, $30.
Rockford, Ill.—Sheik's Hardware store, $50.
Rockwall, Tex.—H. M. Thomson & Co., $75.
Toledo, Ohio.—C. D. Clapp, revolvers.
Washington, Pa.—John W. Seaman, $20.
West Haven, Conn.—J. E. Wadworth & Sons, $40.

Fires in Hardware Stores.

Central City, Neb.—Gurney's Hardware store has been burned.

Fort Wayne, Ind.—Pickard Bros.' Hardware store. Loss, $300; fully insured.

Monticello, Iowa.—The Hardware store of Mr. Prader. Loss, $6000; partially insured.

New York, N. Y. — Waring & Stantal, No. 1400 Third Avenue, Hardware merchants, store slightly damaged by fire; $25 loss.

Weatherby, Mo.—The Hardware store of C. R. Brown has been burned to the ground. Loss, $2000; insurance, $500.

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IF THE DUPLICATE ORDERS

which we are daily receiving for **New Clippers** are any indication of business, there is little doubt but we shall be crowded to our utmost capacity to supply our trade again this season, notwithstanding our increased facilities. The Hardware trade are beginning to realize that it pays to place their orders

FOR OUR BICYCLES

with the maker direct, as he gets certain favors and advantages which are impossible from any other source. We try to please our trade. If **any responsible** dealer will send an order for any one of our wheels, we will agree to send it promptly, and if he does not believe it to be worth the price we ask, he may return it at our expense.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

Makers of **Bicycles Built for Business.**

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The **Frictionless Falcon** Wins With **Big Ball Bearings**



Little Ball Bearings



15 BALLS MEAN **75** POINTS OF CONTACT

9 BALLS MEAN ONLY **45** POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

IT IS KNOWN THAT THE
Popular and Profitable Bicycle Agency to Secure
—IS—
THE FALCON.

8 Distinct Patterns.
Leaders in
Special Mechanical Features.
Write for our Photographic Description of the
"GOLD CRANK FALCONS."

Yost Mfg. Co., Yost Station, Toledo, Ohio.

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK. We solicit correspondence.

HAIGHT & CLARK, - - ALBANY, N. Y.

Keating "365 DAYS AHEAD OF THEM ALL." 17 to 23 Pounds



CATALOGUE FREE

FACTORY. HOLYOKE. MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED line** 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Aurora, Ill.—W. S. Frazier & Co., manufacturers of sulkeys, road carts, etc., will manufacture bicycles, making a feature, the first season, of a high grade wheel, to weigh 20 pounds.

Boston, Mass.—B. B. Emery & Co. have been appointed agents for New England by the Central Cycle Mfg. Co., of Indianapolis.

Bloomsburg, Pa.—J. W. Mann, Hardware, will add bicycles and bicycle sundries.

Brantford, Ont.—The Henderson Cycle Mfg. Co., of Brantford, are applying for a charter.

Buffalo, N. Y.—The Indiana Bicycle Co., of Indianapolis, Ind., have opened branch store.

Burlington, Vt.—John A. Manson & Co., new Hardware store opened. Will take up bicycles. Correspondence invited.

Chicago, Ill.—Mason & Mason Co., bicycles; incorporated by William H. Arthur, James F. Boland and Dana A. Mitchell. Capital stock is $25,000.

Chicago, Ill.—The Novelty Cycle Co., incorporated by Samuel F. Estell, William A. Estell and Charles J. Barnard; capital stock, $100,000.

Eureka Springs, Ark.—J. W. Newport has opened a new Hardware store, and invites correspondence with manufacturers of bicycles and bicycle sundries.

Fond du Lac, Wis.—J. E. Bean has lately leased a factory plant, and will manufacture the Uscyclometer, of which Mr. Bean is the patentee.

Geneva, Ohio.—Geneva Wheel Co., incorporated by A. F. Alderman, C. Q. Chamberlain, H. R. Swan, H. B. Gregory, W. G. Morgan, F. F. Foley and A. M. Tyler; capital stock, $30,000.

Grand Rapids, Mich.—The Fox Machine Co. will manufacture bicycles, devoting one floor to that manufacture exclusively.

Jamestown, N. Y.—The Cyclone Combination Cycle Co. will open a New York office in the Mutual Reserve Life Insurance building, No. 309 Broadway.

Keokuk, Iowa.—Keokuk Cycle Co. filed articles of incorporation.

Metamora, Ill.—John Bride will open new Hardware store, and will handle bicycles. Correspondence with manufacturers of bicycles and sundries invited.

Milwaukee, Wis.—The John Pritzlaff Hardware Co. will take up bicycles and will handle the Featherstone wheel.

Mitchell, S. D.—The Healy Hardware Co. will open a bicycle department. An employee has been sent to the factory of a leading bicycle company, where he will spend the winter, informing himself concerning the business of repairing.

Omaha, Neb.—The Western Bicycle Co. have opened an Omaha branch.

Peoria, Ill.—Rouse, Hazard & Co. will commence manufacturing bicycles in the upper story of their building on the corner of Adams and Harrison Streets, and will give employment to a large number of hands. They have booked a single order for a thousand machines. During the last year they are said to have sold over six thousand bicycles.

Philadelphia, Pa.—The Supplee Hardware Co. are organizing a bicycle department.

Philadelphia, Pa.—The Thorp Cycle Co. will open new salesroom at No. 1005 Arch Street.

Philadelphia, Pa.—A. G. Spalding & Bros., sporting and athletic goods, have opened new store at No. 216 Chestnut Street.

San Francisco, Cal.—E. C. Stearns & Co., bicycles, have opened a branch house, with S. C. Chapman as resident manager.

Shawano, Wis.—The Schweers & Nachtwey Hardware Co.; incorporated by John T. Schweers, Frank D. Schweers and Henry Nachtwey. Capital stock, $20,000. Correspondence invited with manufacturers of bicycles and bicycle sundries, looking to opening cycling department.

Sioux City, Ia.—Knapp & Spalding Co., Hardware, bicycles, sporting goods, are adding a complete line of bicycle sundries.

Sioux City, Iowa.—The Gillette Hardware Co.; incorporated by T. H. Green, T. H. Preston and C. E. Hughson. Capital stock, $20,000. Correspondence invited with manufacturers of bicycles and bicycle sundries, looking to opening cycling department.

Toledo, Ohio.—The Colton Cycle Co., incorporated, with Charles Kaufman, president; George B. Colton, vice-president, and F. A. Jaque, secretary and treasurer. This company's factory is two stories in height, 100 by 100 feet.

Wheaton, Minn.—Enterprise Hardware Co. opened new store. Will handle sporting goods, guns, ammunition, etc., and will take up bicycles.

Winona, Minn.—Harry Svensgaard is about to open a bicycle repair shop. Correspondence invited with manufacturers of bicycle sundries.

Changes and Removals.

Berryville, Ark.—W. R. Hamilton, Hardware, bicycles, etc., succeeded by W. R. Hamilton & Co.

Buffalo, N. Y.—The Buffalo Tricycle Co. have changed their name to the Buffalo Cycle Co.

Colorado Springs, Col.—Colorado Cycle & Supply House, H. Weber, proprietor, removed to No. 119 Pike's Peak Avenue.

New York, N. Y.—Gannon & Son, bicycles, etc., formerly at Thirteenth Street and Eighth Avenue, have removed to No. 1786 Broadway. They will handle Liberties in connection with a line of other makes.

New York, N. Y.—J. H. Robley, bicycles, No. 142 Chambers Street, removed to No. 1 Park Place, corner Broadway. He handles the Falcon Wheels, made by the Yost Mfg. Co., of Toledo.

New Goods and Improvements.

Brooklyn, N. Y.—The United States Projecting Co. have added equipment for the manufacture of bicycle tubing.

Carson City, Mich.—William J. Loomis, bicycles, will do a jobbing business after January 1st. He will also put on the market a bicycle chain lubricant. He will offer a high-grade wheel, to be known as the W. J. L. Special.

Elkhart, Ind.—The Buscher Mfg. Co.'s present bicycle factory building will receive an addition of 100 by 75 feet.

Everett, Mass.—The McCune Bicycle Co. are erecting a two-story factory building, 38 x 128 feet, on Broadway.

Rochester, N. Y.—The Sager Mfg. Co. are putting on the market a pneumatic pad for bicycle saddles.

Toledo, Ohio.—The H. A. Lozier Co. are erecting temporary buildings, and will shortly be in operation again. Claims against the insurance companies, of $226,568.66 have been allowed.

Miscellaneous.

Hartford, Conn.—The Hartford Machine Screw Co., of this city, will manufacture bicycles for the Lozier Mfg. Co., of Toledo, Ohio. whose factory was recently burned. The facilities at the company's building were found available, and the order is to turn out fifty machines a day, with the possibility of making one hundred. New machinery is being set up, and an increase of the number of hands from ten to twenty per cent. will be necessary for the Machine Screw Co. to carry out the contract. The work will last about two months, until the Lozier Co. get their factory in running order, and then the machinery will be sent to the West.

Kokomo, Ind.—Citizens have raised a large fund to be devoted to cash bonuses for locating bicycle and other manufacturing plants in this place.

Louisville, Ky.—Herman Hussman has accepted the Louisville agency for the Wheelmens' Protective Co. of New York.

New Bedford, Mass.—Negotiations are pending between the board of trade and the company manufacturing the Greyhound Bicycle at Brookfield, Mass., looking to a removal of the plant to New Bedford. A company will probably be formed, with a capital stock of $25,000, with privilege to increase same to $50,000. The company's plant is worth $9,218.79, which will be turned into the new company at $10,000.

Plymouth, Ind.—The Plymouth Cycle Mfg. Co. have increased their capital stock to $100,000, and announce that in future they will not sell to jobbing houses, but will deal directly with agents.

Pottstown, Pa.—Pottstown Light Cycle Co. have elected the following officers for ensuing year: President and superintendent, Wm. I. Grubb; vice-president, E. S. Fretz; secretary and treasurer, M. P. Grubb. Directors: W. I. Grubb, E. S. Fretz, Geo. M. Strohl, W. H. Reifsnyder, W. E. Maris. The capital stock of this company is $25,000.

Pueblo, Col.—The Pueblo Hardware Co. have accepted agency for the Pope Mfg. Co.'s bicycles. A bicycle repair shop will be added, also a full line of bicycle sundries, with the manufacturers of which correspondence is invited.

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GET IN LINE

FOR 1895

HELICAL TUBE PREMIERS

will be, as heretofore, distinct leaders, retaining their excellent qualities for

Lightness,
Speed,
Strength
and
Durability.



Note the
Helical Tube Frame
in this
Smashed up
Premier.

American-built throughout. Price, $100.

Send in your name to add to our mailing list.

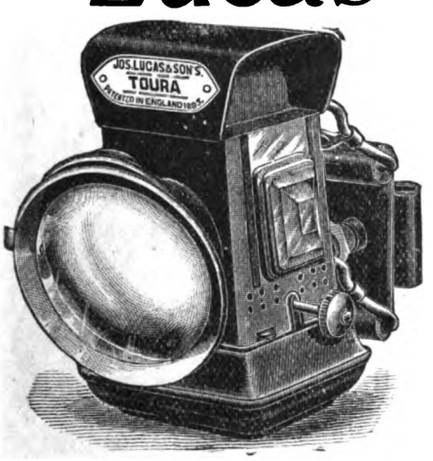
PREMIER CYCLE CO., - 34, 36 and 38 Watts Street, New York.

Apply for 1895 Agency and mention "HARDWARE."

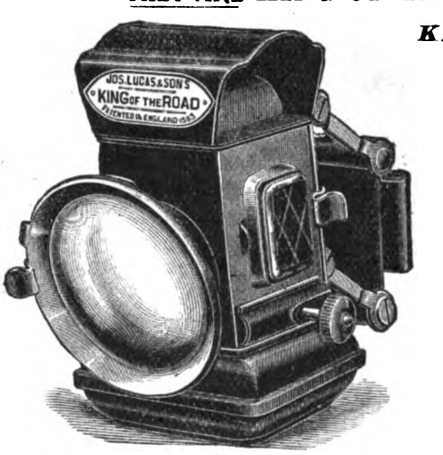
Lucas Lamps for 1895

Have been much improved and will give greater satisfaction than ever.

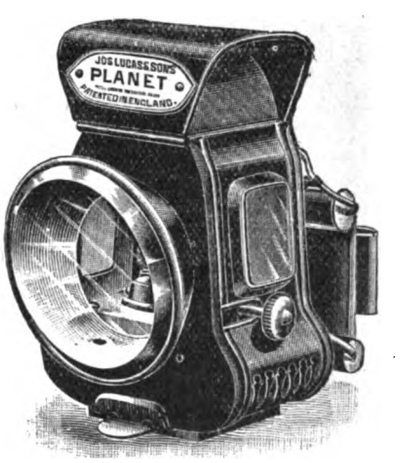
THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



Toura.



King of the Road, 000.



Planet.

RECOGNIZED by the trade AS the BEST.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

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SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

ANDRAE CYCLES

SHOW :—
INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION
They last for years
JULIUS ANDRAE
MILWAUKEE, WIS. U.S.A.

TUDOR IRON WORKS,

ST. LOUIS.

Manufacturers of

HARROW TEETH, MINING RAILS SPIKES.

TRACK FASTENINGS.

There are others, but none so popular as the

Puritan

TRADE MARK

—MADE BY—

O. J. FAXON & CO.,

Send for Catalogue.

3, 5, 7 Appleton Street, Boston.

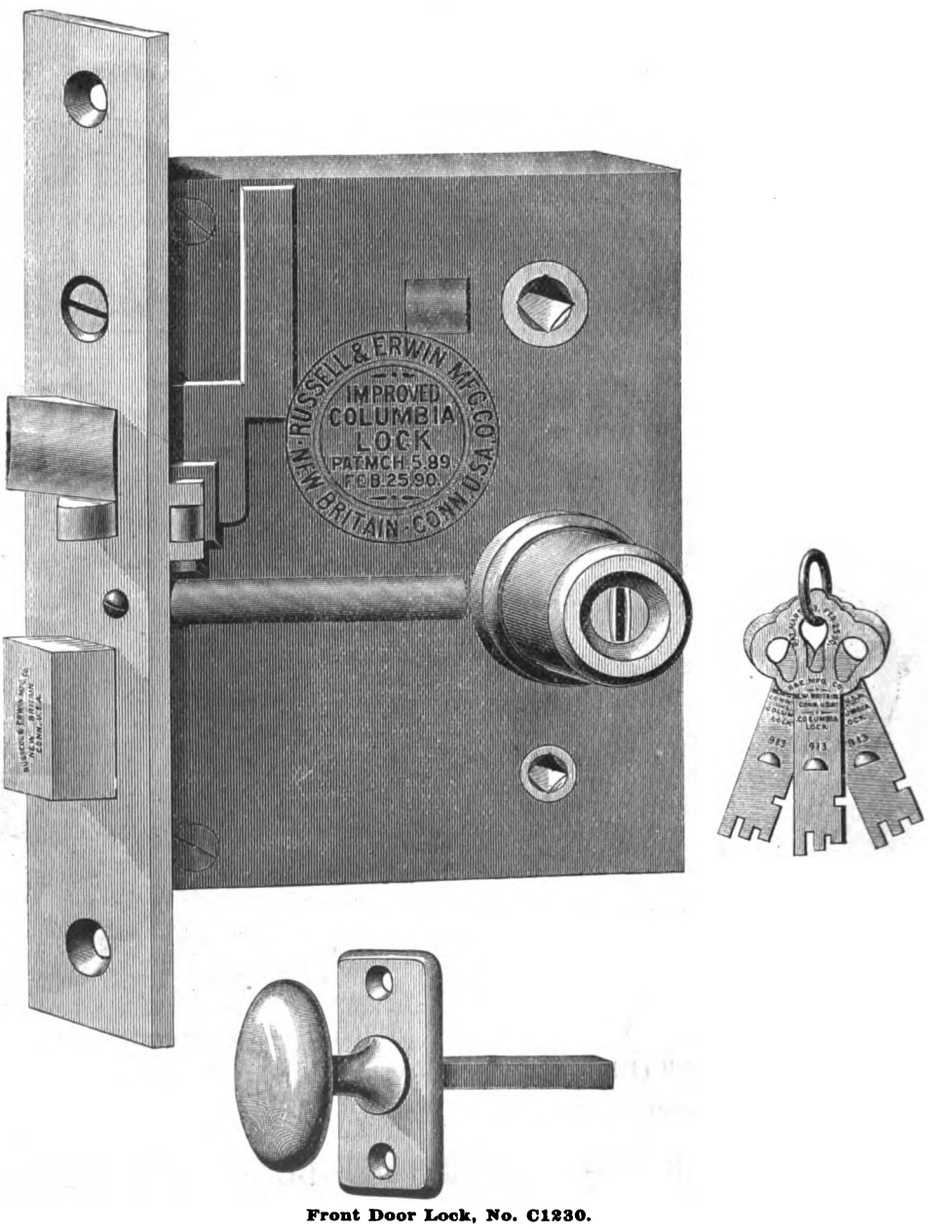
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.



Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

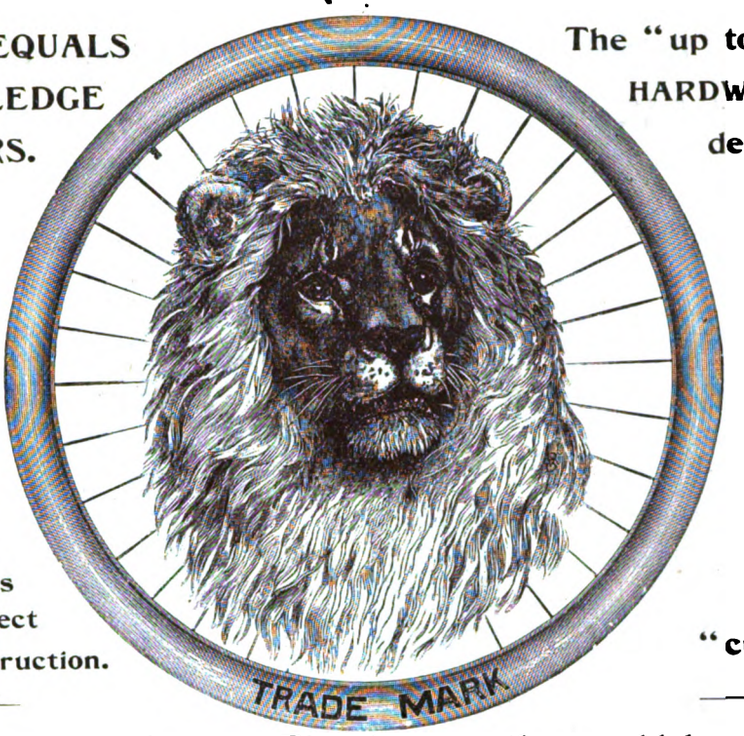
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THE MONARCH BICYCLES

HAVE FEW EQUALS and ACKNOWLEDGE NO SUPERIORS.

Look up our Special features for 1895.

They are the Grandest devices possible to a perfect construction.



The "up to date" HARDWARE DEALER desiring an Agency for 1895 should talk quick before his enterprising neighbor "cuts him out."

1895 will prove the biggest Bicycle year the world has ever seen.

FACTORY: Lake & Halsted Streets, Chicago.

MONARCH CYCLE CO.,

Eastern Branch: C. F. GUYON COMPANY, Ltd., Managers, 97 & 99 Reade St., N. Y.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

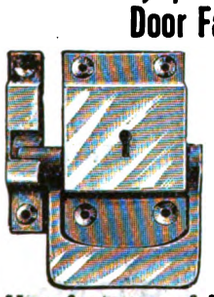
EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 20 and 23 lbs., (Highest Grade), -	$100.00
OVERLAND SCORCHER, 26 lbs., (High Grade), - -	75.00
OVERLAND, 28 in. for Ladies and Gentlemen, -	65.00
OVERLAND, 26 in. " " " " - -	50.00
OVERLAND, 24 in. for Boys and Girls, - - -	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

P. J. CONROY, PHILADELPHIA PA.

Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.



Heath's Ball Valve Pump and Patented Universal Coupling.

Attached to any Pneumatic Tire easily and quickly. Always ready. The most prolific producer of high grade wind and the best instrument for placing said wind where it will do the most good. It is guaranteed not to blister your hands nor propogate big swear words during the operation.

ONE USER SAYS:

"Heath's Pump saves time, temper, backache, sore fingers, sore arms, patience, perspiration, soft tires, clothing. Adds pleasure and convenience."

RETAIL PRICE $2.00.

—LIBERAL DISCOUNT TO THE TRADE.—

ELECTROS FREE FOR CATALOGUE PURPOSES.

—Sole Manufacturers,—

S. F. HEATH CYCLE CO., Minneapolis, Minn.

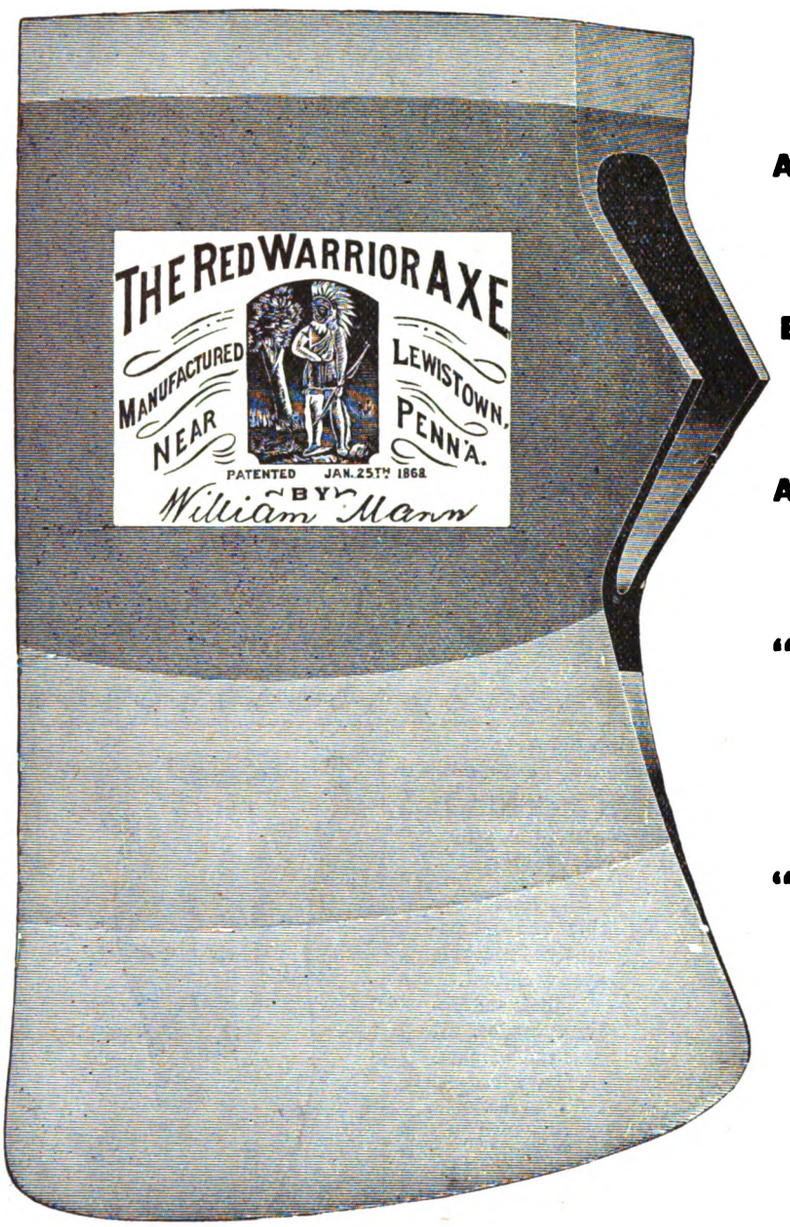
THE AMERICAN AXE AND TOOL CO.,

Telephone Number, 1023 Cortlandt.

253 BROADWAY, - - NEW YORK.

MANUFACTURERS OF

BLOOD,
HUNT,
LIPPINCOTT,
REDWARRIOR,
MANN,
HURD,
PEERLESS,
JAMESTOWN,
ROMER,
FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of

AXES,
HATCHETS,
BROAD AXES,
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Grass Hooks, Corn Knives, Bush Hooks, Planters' Eye Hoes, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK:

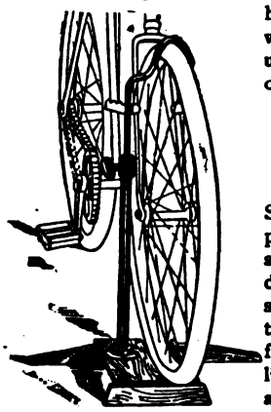
Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

JOB LOTS of AXES, ALL GRADES and PATTERNS.

The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

WM. M. JUSTICE & CO.,

PITTSBURG, PA.

Liberal Discount to the Trade.

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

An Advertisement

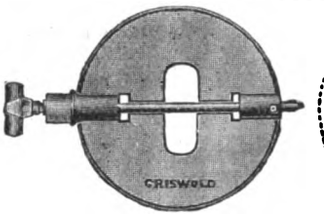
If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.





Wood or Nickel Handle.
Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE.
Send for Samples.

Griswold Mfg. Co.,
Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

ADAPTED FOR SALE IN HARDWARE STORES



Send for CATALOGUE and mention "HARDWARE."

ANNUNCIATORS. BELLS. BATTERIES.
AND ALL SUPPLIES FOR HOUSE WORK.
CATALOGUES AND QUOTATIONS ON APPLICATION.
PARTRICK & CARTER CO. No 125 So Second St.
MANUFACTURERS PHILADELPHIA.
ESTABLISHED 1867.



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The Fourth National Bank of the City of New York solicits mercantile accounts, and offers to depositors every facility which their balances and responsibility warrant.

CAPITAL, SURPLUS AND PROFITS, . . . $5,000,000

J. EDWARD SIMMONS, President.
CORNELIUS N. BLISS, Vice-Presdient.
JAMES G. CANNON, Vice-President.
C. H. PATTERSON, Cashier.
J. A. HILTNER, Assistant Cashier.

THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearance. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten, blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses which it may be put are:

Polishing Stoves, Ranges, etc., it has no equal.
Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.
Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.
Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where once used it is "a joy forever."
Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.
Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.
We will quote you low prices and only ask a trial order. 2 kinds of mitten and dauber made, both kinds samples 30c. to Dealers.

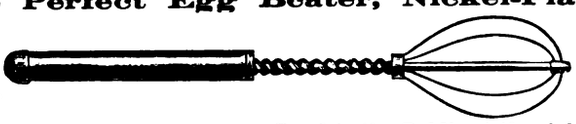
HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street, Boston, Mass.



Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.

The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.



Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by **F. H. WEEKS, Akron, O.**



The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

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The Bank is located in the Hardware District, near the Hardware Club, and solicits the accounts of Hardware Merchants & Manufacturers.

MERCHANTS' EXCHANGE NATIONAL BANK
OF THE CITY OF NEW YORK.
ESTABLISHED 1829.
257 BROADWAY.

Phineas C. Lounsbury, Prest.
Allen S. Apgar, V.-Pr. and Cash.
Edward V. Gambier, Ast. Cashier.

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—ESTABLISHED A. D. 1830.—

First-Class Screwdrivers in Great Variety.



The call now is for the Best. We can meet the demand. A dozen different kinds. Cheapest to the very Best.

Take no brand but

WILLIAM JOHNSON.

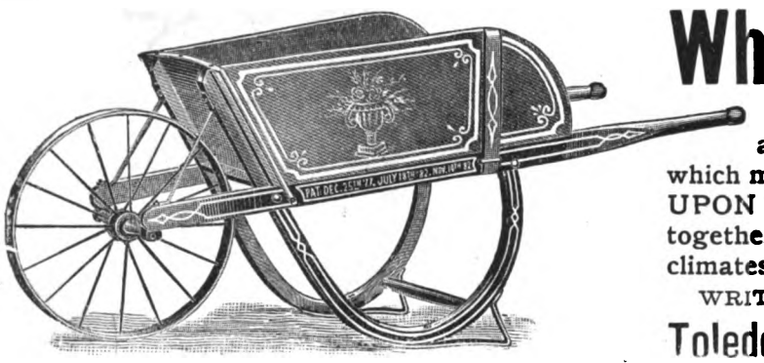


Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Brick, Plastering and other Trowels, Dividers, Conductors' Punches, Revolving and Spring Punches, &c. &c.

If you want good articles, insist on your Jobber sending you William Johnson's Goods.

—For Illustrated Catalogue and trade discounts, write to—

WILLIAM JOHNSON, Agt., Manufacturer, **Hedenberg Works, Newark, N. J.**

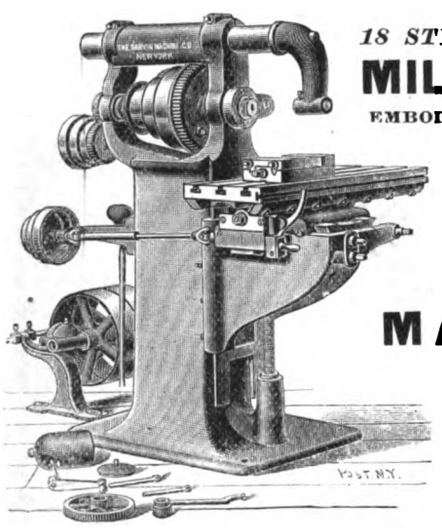


Wheelbarrows of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works. Toledo. O.



NEW No. 15 MILLING MACHINE.

WE BUILD *18 STYLES,* OF *27 SIZES*

MILLING MACHINES,

EMBODYING THE MOST ADVANCED IDEAS AND ADAPTED TO EVERY VARIETY OF MODERN

TOOL & MACHINE WORK.

IMMEDIATE DELIVERY

Can usually be made of any style or size.

MACHINE TOOLS

OF ALL KINDS IN STOCK.

☞Write for Our 1894 Illustrated and Descriptive Catalogue.

The Garvin Machine Co.,

Laight & Canal Sts., New York.

Also 51 North 7th St., Philadelphia, Pa.



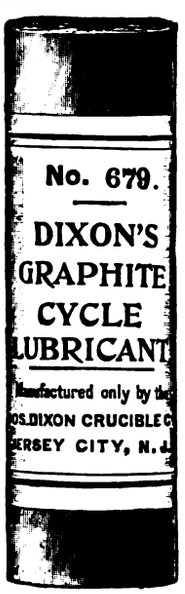
The Best to Buy,
The Best to Sell,
And the Best to Use,
—:IS:—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.

WRITE FOR CIRCULARS AND PRICES.

STAR MANUFACTURING CO., CANTON, OHIO.



Any Hardware Dealer

Who handles Bicycle Sundries and has an eye to profit as well as perfect goods should send for a sample of Dixon's 679 Chain Lubricant and our price card. The Graphite used in it is produced only by the Dixon Company. It was introduced at the tail end of the season, but over a thousand gross of it was sold. It will be THE seller next season.

JOS. DIXON CRUCIBLE CO.,

Jersey City, N. J.

The Time Has Come.

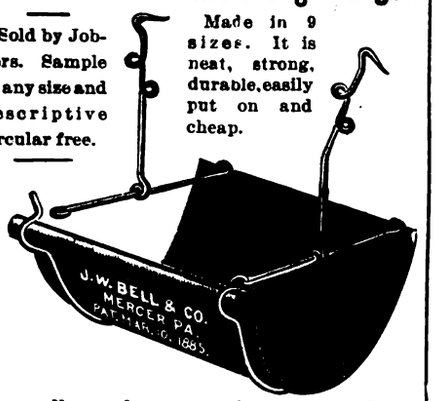
Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

Wm. A. Shull

PHILADELPHIA, PA.

Sole Manufacturer of the World's well known and only : **Genuine Reputable Goods**

Bearing this REGISTERED TRADE MARK

SURE *SALES*



NO DEAD OR WORTHLESS STOCK.

Demand these Goods from your Jobber.

Facts ORIGINAL GOODS
ONLY GENUINE GOODS
STANDARD GOODS ON MERIT

THE profit from, and steady trade on these goods make them worthy your consideration before buying. Worthless Imitations - sold only as like —"Original"—Just think—OF CAUSE TO TRY TO IMITATE.

PLACE THE MATTER CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.

For 1895

We respectfully solicit your orders for

Pieced Tin-ware,
Stamped Tin-ware,
Japanned Tin-ware,
Black Sheet Iron-ware,
Galvanized Sheet Iron-ware,
Enamelled Ware,

and guarantee satisfaction, both as to quality and prices.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

Manufacturers,

St. Paul Ave. and 15th Street,

MILWAUKEE, WIS.

SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,

Cleveland, Ohio.

NEW .22-CALIBRE GALLERY

-AMMUNITION!-

The result of exhaustive experiments prove it to be the most reliable and accurate cartridge ever produced. It has been generally adopted by all the first-class galleries, and the best known marksmen have voluntarily testified to its superiority.

MANUFACTURED BY THE

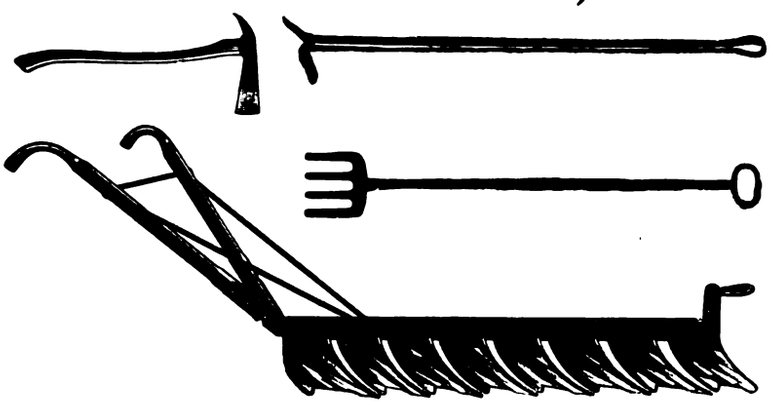
UNITED STATES CARTRIDGE CO.

LOWELL, MASS.

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware & Agricultural Implements.

Send for Price Lists.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.

SICKELS, SWEET & LYON,

WHOLESALE HARDWARE,

35 Barclay Street, AND 40 Park Place,

NEW YORK.

SELLING AGENTS FOR

WINSLOW SKATE CO.,

EAGLE FILE CO.,

UNION STEEL SCREW CO.





PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,
Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

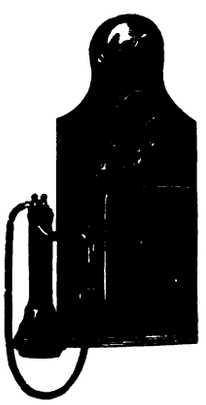
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago. Philadelphia and Pittsburg.

Carbon Battery Telephones.



They will talk all day and every day.
Long and Short distance.

SEND FOR PRICE LIST.

DEVEAU & CO.,

34 Frankfort Street, - NEW YORK.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1901.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

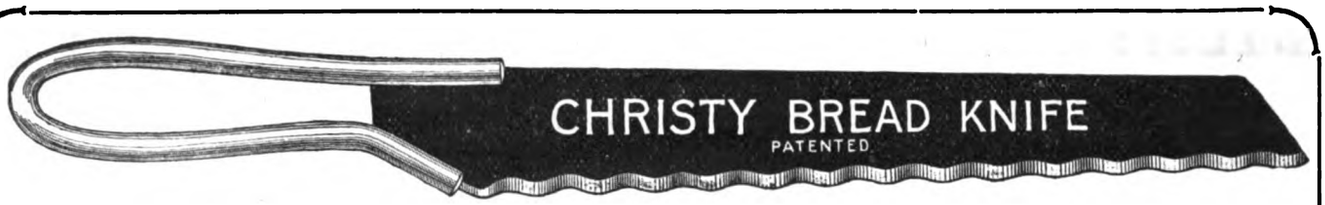
MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREFT, PHILADELPHIA, PA.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

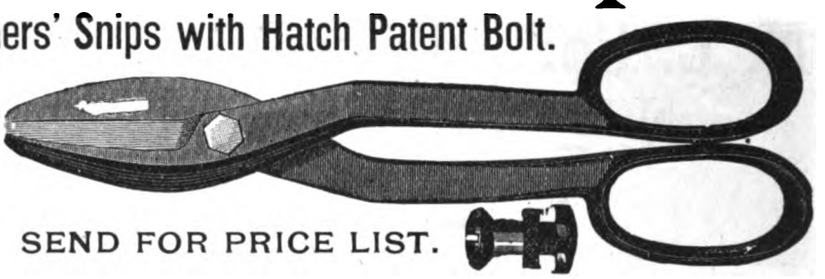


Hatch's Champion

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

Tinners' Snips with Hatch Patent Bolt.

THE BEST SNIP IN THE MARKET.

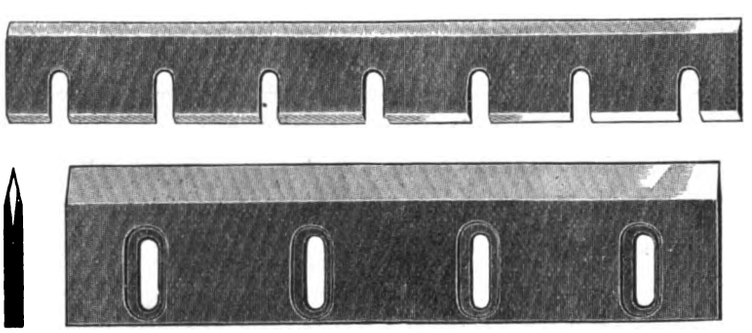


SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
Buchanan, Mich.

97 Chambers St., New York.

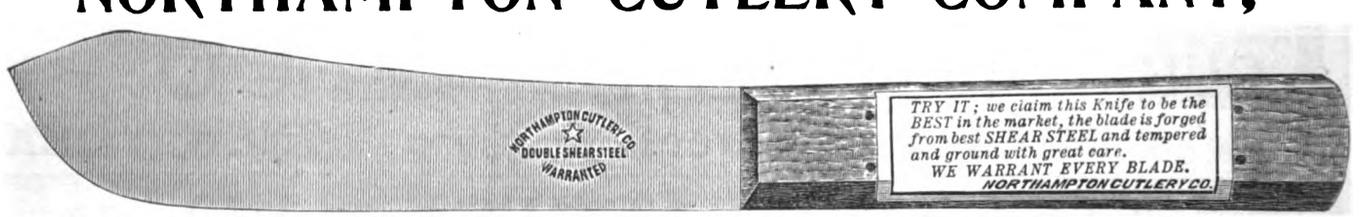


PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York. Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

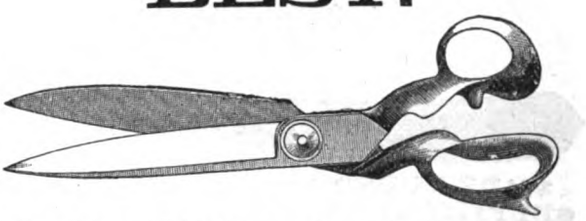
Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

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—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.

CAUTION

TO ALL PURCHASERS OF THE

WELL KNOWN **HEINISCH** - BRAND OF -

Shears, Trimmers, Scissors, Tinners' Snips, &c.

ALL GOODS OF OUR MANUFACTURE ARE STAMPED

R. HEINISCH
NEWARK, N.J.

- OR -

R. HEINISCH
NEWARK, N.J.
U.S.A.

NO OTHERS ARE GENUINE.

NEW YORK OFFICE AND SALESROOM,
90 CHAMBERS ST.

R. HEINISCH'S SONS CO,
NEWARK, N. J., U.S.A.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 185 Duane St., New York, Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO., 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES,	HORSE AND TOILET CLIPPERS.
COATES CLIPPER MFG. CO.,	
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
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WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

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J. H. Sternbergh & Son, READING, PENNA.

MANUFACTURERS OF

Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

All of the highest grade of excellence.

Braided Cord

Of every description.



—Send for Samples.—

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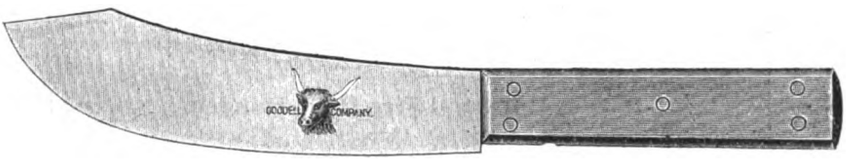
If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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OUR STEER HEAD BRAND

of Butcher Knives are made of the **Best Double Shear Steel** obtainable. The greatest care is exercised in every branch of their manufacture and every knife severely tested before leaving our factory.



They are made in sizes from 6 to 14 in. and are especially designed for butchers or others who want the best knife made, who know a good knife when they use it and are willing to pay a fair price for a knife that suits them.

Dealers are authorized to sell these knives with the understanding that if after a **fair trial** purchaser is not satisfied it is the best knife made anywhere he shall bring it back and get his money.

Necessarily such a knife sells at a high price, but it is the cheapest in the end, and there is a good profit to dealer.

GOODELL COMPANY, - ANTRIM, N. H.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

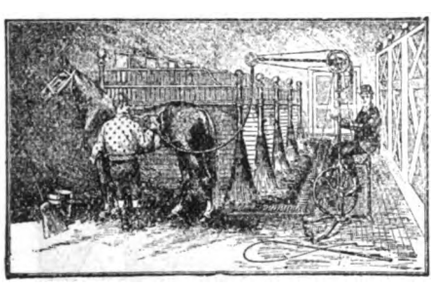
ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

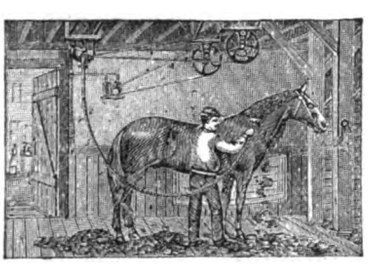
EASTMAN & CO., 64 Reade St., New York.



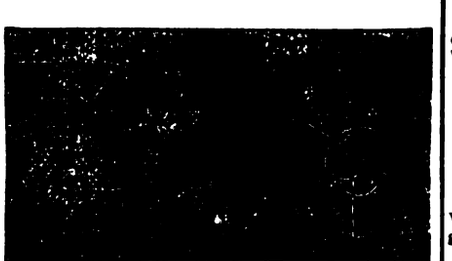
BICYCLE CLIPPER.

HEADQUARTERS FOR
Horse Clipping Machines

Greatest Variety of Power-Horse Clipping Machines in the World.



Poke Clipping Machine, Operated by any Kind of Power.



Gillette's Celebrated Hand Power Machine.

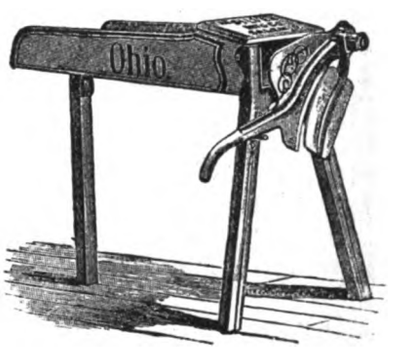
Over 2,700 in use—over 200 in New York City in constant operation. Introduced in the leading Horse Car Stables, Express Companies, Breweries, Dry Goods Houses, Etc., in the United States and foreign countries. Send for Catalogue illustrating our Machines, prices, Etc.

Gillette Clipping Machine Co., 201 East 23d Street, NEW YORK.

First Prize—Highest Medal of Award—World's Fair Chicago, 1893.

"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

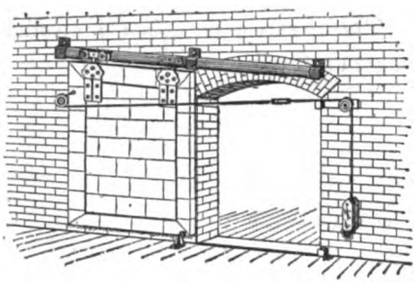
It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

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Parlor Door Hangers

The Adjustment is in the Track and not in th Hanger, as in other fixtures. Track can be taken ou of pocket and replaced without defacing walls afte house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





You can get everything in the line of Sheet Metal Goods from us.

PRICES WAY DOWN.

STEEL ROOFING

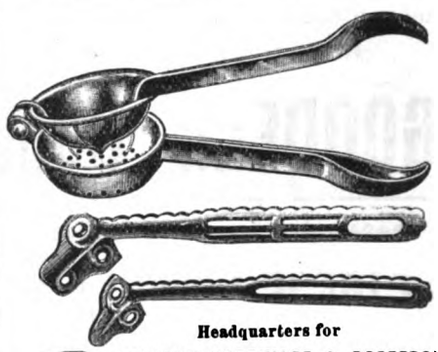
Corrugated Iron,

Galvanized Steel Eave Trough,
Corrugated Expanding Conductor,
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Ornamental Crestings, Finials, Etc.

Down! Down! go Prices. WRITE US QUICK.

J. H. Eller & Co.,

Office, 86 E. Fifth St., Canton, Ohio.



Headquarters for

TINNERS' HARDWARE & ROOFERS' SUPPLIES.

Largest stock, greatest variety. Prices lower than ever.

Write us before buying elsewhere

BERGER BROS.,

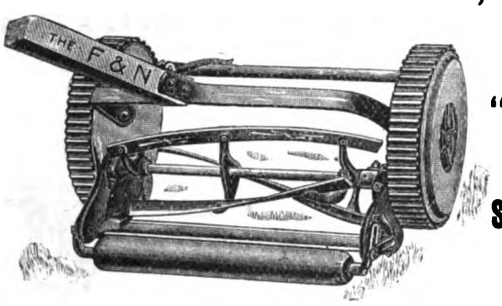
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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough, Mansfield & Co, Boston. Mass.

OUR LINE OF

Post-Hole Diggers



Comprises (6) of the Best known styles on the market.

PRICES GREATLY REDUCED.

LAWN RAKES,
GARDEN RAKES,
GARDEN WEEDERS,
LAWN SPRINKLERS,
POST-HOLE DIGGERS,
CURRY COMBS,
PRUNING SHEARS,
CAN OPENERS, &c.

GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES AND ALL KINDS OF FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

ASK FOR THEIR

DIAMOND FORKS & RAKES.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

SPRINGFIELD, MASS.

IVAN T. GOODRICH,

Wholesale Grocer & Dealer in Farmers' Supplies,

612 & 614 Marietta St.,
ATLANTA, GA.

SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5¼ Inches Diameter.

LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory,
12 "	14.00	
14 "	15.00	
16 "	16.00	
18 "	17.00	

PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.

If you wish a first-class Mower in all respects, one that is fully warranted.

—BUY McGUIRE'S DIAMOND.—

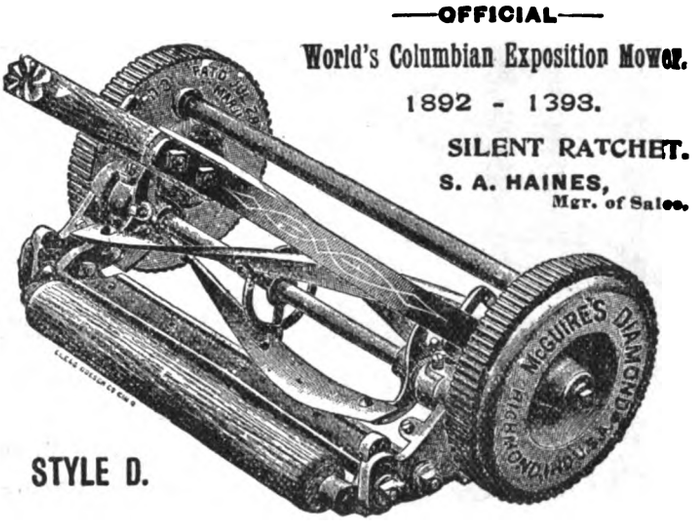
—OFFICIAL—

World's Columbian Exposition Mower.

1892 - 1393.

SILENT RATCHET.

S. A. HAINES, Mgr. of Sales.

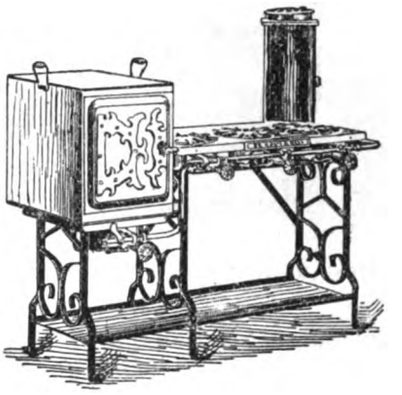


STYLE D.

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Facts of Interest to the Public.



Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

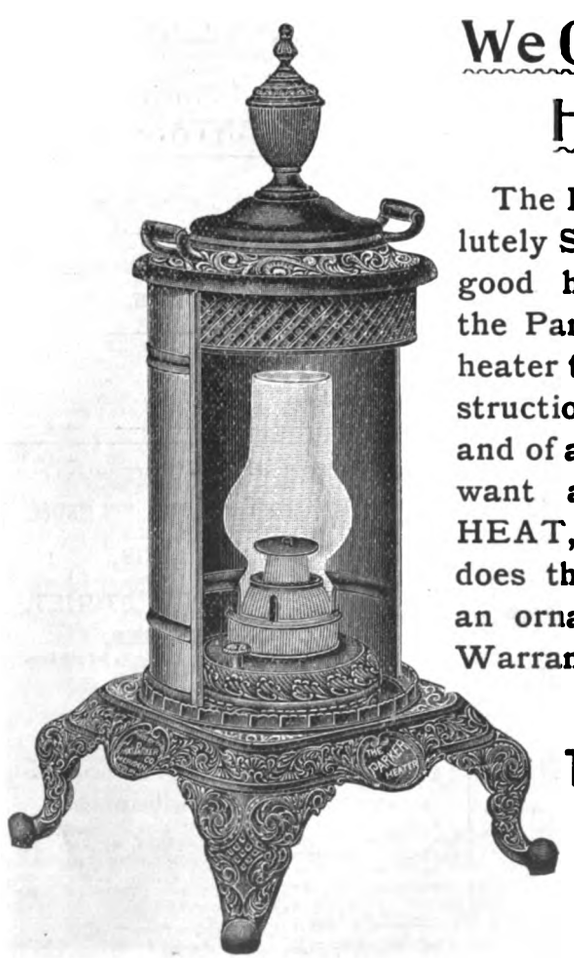
"NEW GEM"

we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

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THE WOOLDRIDGE STOVE CO., Memphis, Tenn., agents for Tennessee.
A. BALDWIN & CO., LTD., New Orleans, agents for Louisiana.
E. H. HUENEFELD, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
HOME STOVE CO., Indianapolis, agents for Indiana.
THE SCHAAB PUFF STOVE CO., St. Louis, agents for Missouri.
MESSRS STANDART BROS., Detroit, Mich., agents for Michigan.
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J. P. LINDEMANN & SONS, Milwaukee, Wis, agents for Wisconsin, Minnesota, North and South Dakota and Montana.
THE RICHARDS-CONOVER HDWE. CO., Kansas City, Mo., agents for Kansas.
THE DENVER STOVE & HDWE. CO., Denver, Colo., agents for Colorado.
THE STOLLBERG-CLAPP CO., Toledo, Ohio, agents for Northwestern Ohio.
M. F. TALLMAGE, Buffalo, N. Y., agent for Buffalo and Erie Co., N. Y.
WEBER & GEBHART, Dayton, O., agents for Southern Ohio.
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We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

THE CHAS. PARKER CO

MERIDEN, CONN.

New York Salesroom:
97 Chambers St.

Marten Doscher,

DEPOT,

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EDGE TOOLS,

G. W. Bradley's,
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BENCH PLANES, &c.

Turned Work Handles, Mallets, &c.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,

41 Montello St., Brockton, Mass.

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No Disagreeable Odor. No Ashes Light and Heat in Abundance



No. 327. No. 3 Lift Burner.
Height, 33½ inches. Spread of Base, 12½ inches. Nickel Finish.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION:

The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.



No. 328. No. 3 Lift Burner.
Height, 32 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

——MANUFACTURED BY——

EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 68 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 20 Perfect.

The Perfect Oil Heaters

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

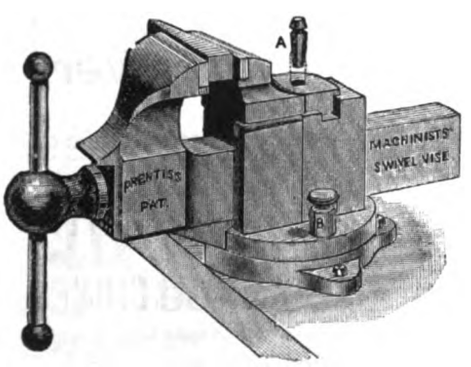
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., } Brooklyn, N. Y.



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long. Weight, 3 ounces.



ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. Sample to Dealers, 50 cents. Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

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Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., **Cincinnati, Ohio.**



BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Iron



Manee's Bench Marking Metal
Metallic Paint
Milk Can Handles
Milk Can Trimming
Roofing, ½ and 1 inch
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Crest Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Copper
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machines
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barb
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



ORMONDS RHEUMATIC REMEDY

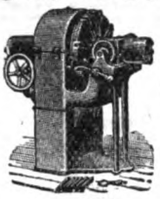
CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

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PIPE THREADING and CUTTING OFF MACHINES.

STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

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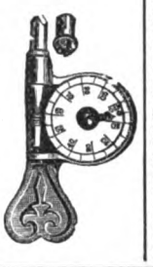
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Power Presses, Foot Presses, Screw Presses,

HYDRAULIC PRESSES. ***PRESSES.*** ***DROP PRESSES.***

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,

Waterbury, Connecticut, U. S. A.

WITH THIS NEW

Garden Cultivator



A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

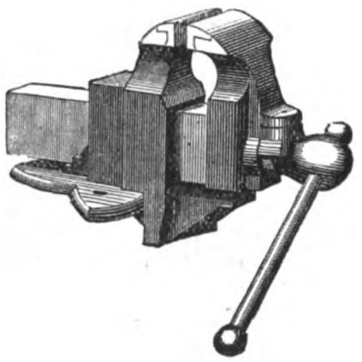
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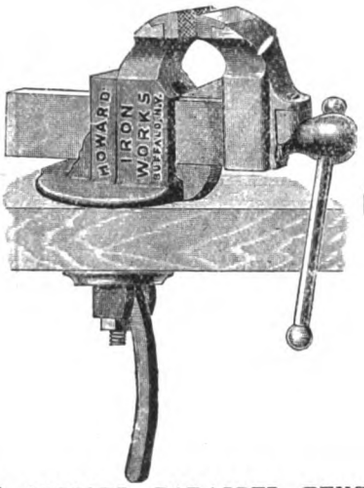
HOWARD IRON WORKS,

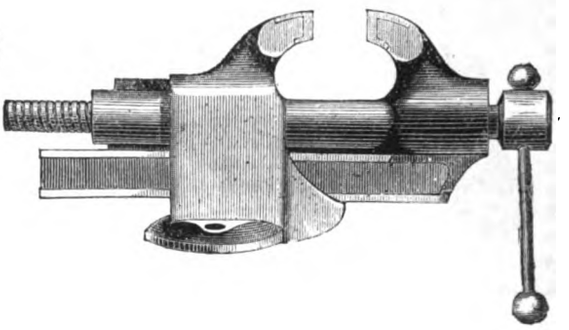
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BENCH VISES.







HOWARD PARALLEL BENCH VISE.
FIXED.

No. 0,	Length of Jaw,	3 in.,	weight,	25½ lbs.		$5.50
" 1,	" "	3½ "	"	31½ "		6.50
" 2,	" "	4 "	"	41 "		8.50
" 3,	" "	4½ "	"	52½ "		10.75
" 4,	" "	5 "	"	96 "		16.00
" 5	" "	6 "	"	113½ "		23.75
" 6	" "	7 "	"	184 "		34.50

HOWARD PARALLEL BENCH VISE.
SWIVEL.

No. 00,	Length of Jaw,	2 in.,	weight,	7½ lbs.		$4.00
" 0,	" "	3 "	"	31½ "		6.25
" 1,	" "	3½ "	"	38½ "		8.00
" 2,	" "	4 "	"	48 "		10.00
" 3,	" "	4½ "	"	61 "		13.25
" 4,	" "	5 "	"	104½ "		18.50
" 5,	" "	6 "	"	129 "		26.00
" 6,	" "	7 "	"	194 "		36.00

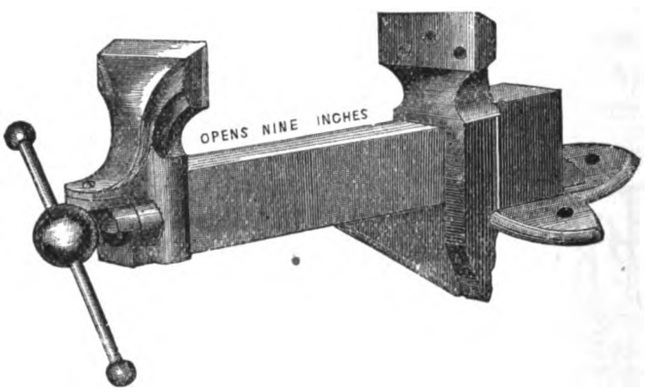
HOWARD PARALLEL BENCH VISE.

	FIXED.		**SWIVEL.**	
No. 20.	2-inch Jaw	$4.00		$4.50
" 25.	2½ "	5.00		5.75
" 30.	3 "	6.25		7.00
" 35.	3½ "	7.00		8.25
" 40.	4 "	9.00		10.75
" 45.	4½ "	11.75		14.00
" 50.	5 "	16.25		19.25
" 55.	5½ "	20.00		23.50



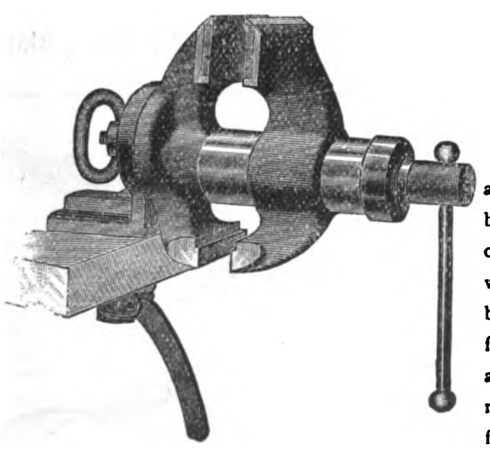
HOWARD COACH MAKER'S VISE.
SWIVEL.

No. 1, Length of Jaw 4 inches.....$12.50



HOWARD COACH MAKER'S VISE.
FIXED.

No. 2, Length of Jaw 4 in., weight 37½ lbs....$10.00



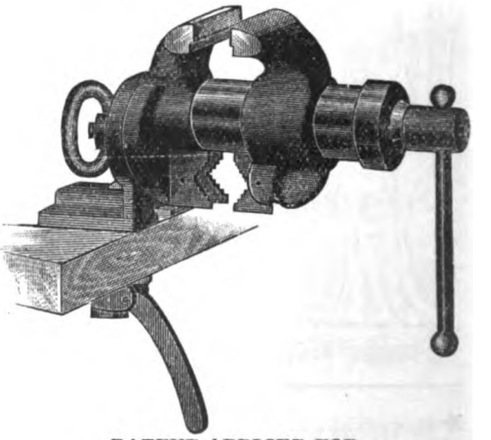
PATENT APPLIED FOR.

UNIVERSAL COMBINATION WHEELRIGHT AND METAL WORKERS' VISE.

Length of Jaw, 4½ in., opens 4¼ in., weight, 83 lbs, $15.00.

UNIVERSAL COMBINATION VISES.

These Vises are very handy mechanical appliances for general use, as they combine two different and separate vises in one. They are made very strong, and will swivel in any direction. The "Combination Pipe and Metal Workers' Vise," for instance, will be found a very useful and practical instrument in every engine room, as the engineer, with the aid of a few pipe tongs and die plates, can, in most cases, do all the small repairing and fitting of pipes, etc, himself.



PATENT APPLIED FOR

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These Vises have been manufactured by us since 1865 and meet with general favor. They are strong and simple. Every Vise Warranted. Liberal discount to the Hardware Trade. Orders solicited.

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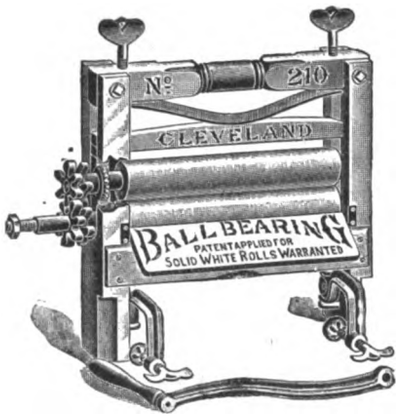
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No Friction. No Purchase Gear.

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Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

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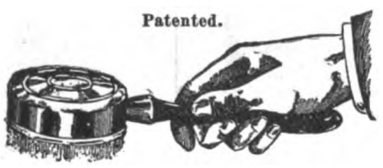
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For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

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Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents. Liberal discount to the trade. Send for price.

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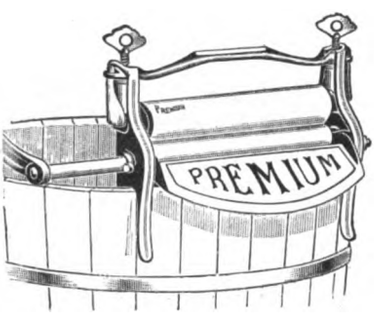
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$1.60, 25-lb. Manger.
10,000 in use Send for Book of Discount on trees, and for list of Hay Racks, etc.



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It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



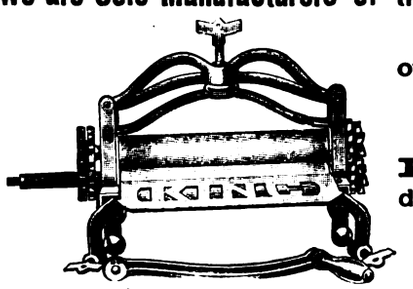
There Is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
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SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.

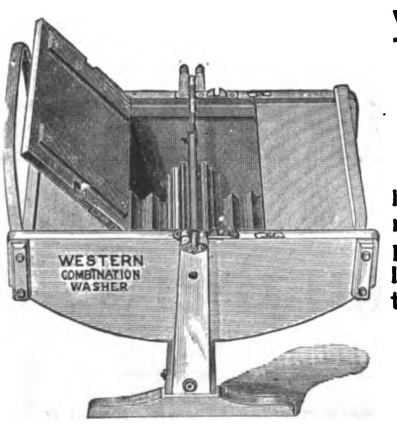


We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

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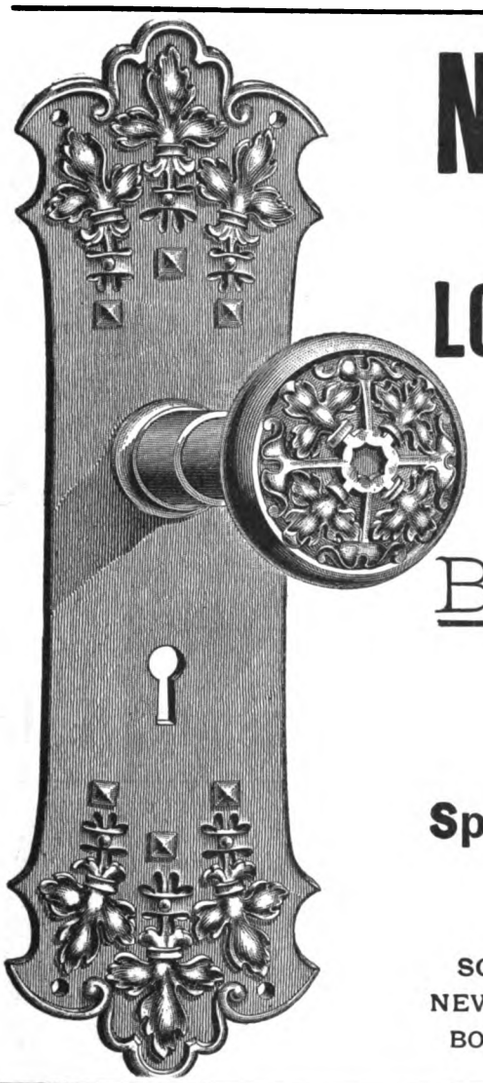
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Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

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Art Metal Work

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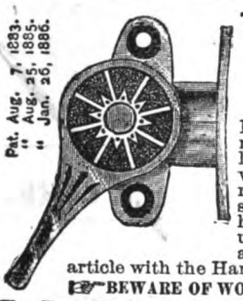
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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

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Are specified by Architects on first-class work everywhere.
They are Safest and Best.

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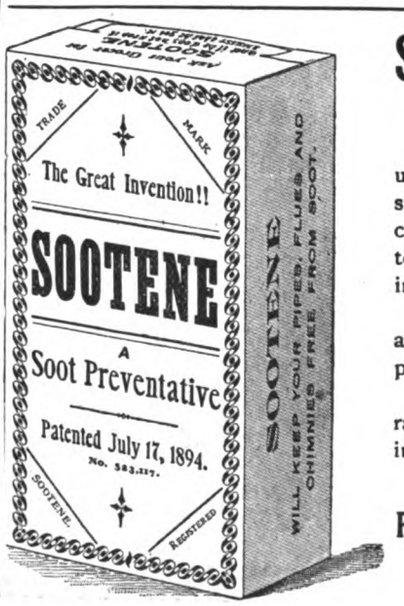
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SOOTENE means "against soot." It is used to prevent the formation of clinkers in coal stoves, and to reduce the amount of soot and cinders. A small quantity of **SOOTENE** scattered on the coal as you are preparing the fire insures complete combustion.

It is valuable too, for use in a wood stove, and the amount of soot that accumulates in the pipe is nil.

It pays a good profit and will become a rapid seller wherever introduced, and this is an important point to remember.

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WHITE MOUNTAIN FREEZER

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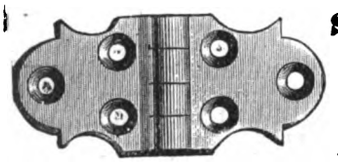
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POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

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Climax Refrigerator Door Fastener.

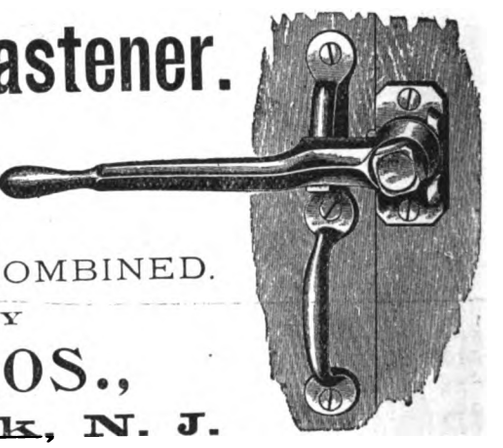


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Durable,
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IRON BENCH LEVEL

WITH DOUBLE PLUMB.

No. 5. 6 in.



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HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—

Eagle Anvils, @ lb 10c.....15%
Peter Wright's.....11½c
Armitage's Mouse Hole.....10@10½c
Trenton.....10@10½c
American "Horse-Shoe".....11½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....50%

Augers and Bits—

Auger Bit Association....70&10&10%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....
French, Swift & Co.....
Douglass'.....
} 25%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, @ doz. $60.....40%
Swan's.....40%
Steer's No 1, $26; No. 2, $18 ....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Shepardson Diamond @ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, @ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg @ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. @ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch @ doz., $1.50..25&30%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 @ doz. $7.50; No. 20, @ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $13; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island .....@ doz. 9.00
Yankee.....@ doz. 10.00
Wide Bit.....@ doz. 10.00
Rockaway .....@ doz. 10 00
Dock.....@ doz. 15.00
Firemen's.....@ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....@ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, @ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, @ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 24 lb. .....@ doz. 30c net.
Circular Spring Balances....50&10%
No. 2000 20 30
Chatillon's @ doz. 30c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise..... .....20%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%

DOOR—
Gong, Abbe's.....47½
Gong, Yankee.....55%
Gong, Barton's .....40&10@50%
Crank, Taylor's.....25&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&5%
Pull, Brooks'.....50&10&5%
Duplex, Sanderson's.... ....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable .....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra..... ..... 60&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..@ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....@ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $2.60 @ doz.....25%
Millers Falls @ doz. $4.50.....25%
Wm. Johnson's:
7½x2⅜x1, @ doz. $11.00.....50%
9x2½x1, @ doz. $12.00.....50%

Bit Holders—

Extension:
Millers Falls Barber's, @ doz. $15 50%
Ives' @ doz. $50.00....60&5@60&10%

Blind Adjusters—

Domestic.....@ doz. $2....33⅓%
Excelsior..@ doz. $10.00....50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls @ set $1.00.....20%
Austin & Eddy @ gro.....$9.00
Forhans Improved Star Tenon @ gro. $1.00.....25%
Mackerell's, @ doz. $2.00.....60%
Merriman's Brass Lever @ gr. $15.00
Merriman's Iron Lever @ gr....$9.00
Security Gravity @ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate @ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list 30%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔&5
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84...75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '88.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '88.....65%
Keystone, Phila., list Oct. '84...30%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....30%
Eagle Phila., list Oct. 16, '84....30%
Bay State, list Feb. 28, '88.....75%
B. R. & W., list Oct. 16, '84.....60%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow..... .....30%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....30%

Bolt Clippers—

"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7.00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—

Enterprise.....30%

Boring Machines—

Without Augers.

	Upright.	Angular.
Douglass'	$5.50	$3.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75, 45@ 45&10%
Other Machines	2.25	2.50.....net
Phillips' Patent with Augers	7.00	7.50 ....
Millers Falls	.....	7.50 .... 25%

Bow Pins—

Humason & Beckley.....30&10%
Sargent & Co.'s $17 and $18.50..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....30@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 68.....60&10%
Barker's.....75&10@30%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.....60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.35
Bartholomew's:
Nos. 25, 27 and 30..... ..... 60%
Nos. 117, 118, 119.....60@70&75%

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Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled..65&10@70
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in $3.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 28, 37.....70&10&5%
Ball Braces, net, ₱ dos. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....35&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....30&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Kell & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....75%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronsed Wrought Butts.....60%&c

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₱ dos $3.00, 25%
American.....₱ gross $3.35, 50&10%
Dunlap's Iron Handle, No. 3 ₱ gr. $12.00. ..25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.35%
No. 3, Iron Handle. ₱ gr. $6....45@50%
Eureka.....₱ doz. $2.50.....10%
Sardine Scissors...₱ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₱ doz. $5.00....35%
Star.....₱ doz. $2.30
Sprague, No. 1, $2.00; 2, $2.25; 3, $2.50. 70%
World's Best, ₱ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₱ gr $9.00
Goodell's Acme, ₱ gr. $3.00; ₱ doz.75c
Universal, ₱ doz. $3.00.....40%
Domestic, ₱ doz. $2.50.....50%
Champion, ₱ doz. $2.00.....6%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₱ gro $7.00.....50%
Kohler's Cyclone.....₱ dos. 75c
Kohler's Lightning.....₱ dos. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₱ doz. $2.25
Cast Iron, Steel Points. ₱ doz. 85c 20%
Bullard's.....20%
Dunlap's.....25c
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₱ doz. $36.00
Gold Medal.....₱ doz. $27.00
Prize.....₱ doz. $27.00
Premier.....₱ doz. $27.00
Superior.....₱ doz. $27.00
Cosmopolitan.....₱ doz. $27.00
Furniture Protector, Japanned.....₱ doz. $24.00
Furniture Protector, Nickel.....₱ doz. $27.00
Inter Ocean.....₱ doz. $27.00
Hall.....₱ doz. $45 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₱ doz. $21.00
Domestic, No. 2.....₱ doz. $22.00
Excelsior.....₱ doz. $22.00
Garland.....₱ doz. $18.00
Grand Rapids, Jap..₱ doz. $24. 0
Grand Rapids, Nick..₱ doz. $27.00
Housewife's Delight..₱ doz. $15.00
Improved Parlor Queen Japanned.....₱ doz. $24.00
Improved Parlor Queen Nickeled.....₱ doz. $27.00
Parlor Queen.....₱ doz. $24.00
Standard.....₱ doz. $24.00
Make the following rebates: $1.00 ₱ doz. in 5 doz. lots, $4.00 ₱ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
Others..65%
Deep Socket.....60%
Martin's Patent (Phoenix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '94.....0%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....65%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronsed 70&40@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6-10-3, ₱ pair, $1.02.....60&10%
Trace, 6-10-3, ₱ pair 85c.....60%
Trace, 7-10-3, ₱ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₱ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....30&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $3.00.....20%
Morse's Adjustable, each $7.00 20@30&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....25%
Skinner's Pat. Drill Chucks.....25%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$3.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati 15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion
American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....3.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....3.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.65&5
Superior Axle Clips.....60%&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddell's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....30%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....7 %
Registering.....50%

Coopers' Tools—
Bradley's.....30%
Barton's.....30&10%
L. & I. J. White.....30&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....30%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....25%
Semson.....₱ doz $10.00

Corn Huskers—
Blair's Adjustable.....₱ gr $8.00
Blair's Adjustable Clipper ₱ gr 7.00
Hubbard's Solid Steel.....₱ gr 4.50
Perkins Boss:
Styles A and B, ₱ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₱ gro. $8.00; R, ₱ gro. $20.00.
Wrist Supporters.....₱ doz. 75c
Mittens.....₱ doz. $1.50
Ashtabula.....₱ gro. $2.50
Brinkerhoffs.....₱ gro. $15.00
Buckeye.....₱ gro. $4.00
Cleveland.....₱ gro. $7.50
Johnson's.....₱ gro. $6.50
Universal.....₱ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%

Dixon's
Eclipse.....₱ gro. $3.75
Emerald.....₱ gro. 5.00
Oriole.....₱ gro. 5.00
Rainbow.....₱ gro. 3.51
Solid.....₱ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₱ dos. 2.00
F. E. Kohler & Co.'s Humane ₱ dos. $1.75
Gibbs' Magnetic per dos. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.35
5½ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.43 $1.80
5½ 6 7 inches
$1.73 $1.85 $2.25, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&5&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. ₱ 50&10%
Thaxter Electric Lock, list....$25.00
SPARE COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₱ doz $1.40
Bee Rod ₱ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886. ....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₱ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....30%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....25%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₱ dos $3.00..60%
National, ₱ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₱ gro $17.00 @$18.00
Duplex (Standard Co.)...₱ doz $1.25
Rival (Standard Co.).....₱ doz $1.00
Duplex Extra Heavy (Standard Co.) ₱ doz $2.50
Triumph (T. & S. Mfg. Co.), ₱ gro $10.50@11.00
Ayre's Spiral.....₱ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

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Egg Poachers
Morgan Steam, No. 2. No. 5.
₩ doz. $4.80 $6.00.....40%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OFF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2½c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....35%

Faucets—
John Sommers' Son:
Pearless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....40%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 60&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....30%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....25%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't&50 10%
IMPORTED—
Moss & Gamble, List April 1, 1888. 15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 30%
Grobet.....35%

Filters—
Seed's Water Filters...$3 dos. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (80c base).....10%

Fluting Machines—
Knox.....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....35&5%
Crown Fluters.....30%

Fluting Scissors—
List.....45%

Fly Pans—
Columbia.....10%
Fowler's ₩ doz.....$21.00
Keyless M. & L. Co. ₩ doz.....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....20%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co.....35%
Henis.....₩ doz $3.50
Shepard's Queen City.....40%

Fry Pans—
Standard List:

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods.....7%
Acme Fry Pans.....70%

Gas Irons—
Bolgiano's New Hot Air Perfection Gas Iron.....₩ doz. $18.00

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co.....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stubs' Wire and Drill.....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....35&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....35@35&10%
Bell Hangers.....50%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—
Family.....50%
New York Pattern.....30%
Ohio Pattern.....10%
Millers Falls.....35%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.....
Rope, ¼ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.....
Jute Horse and Cattle Ties.....
33⅓%
Upson & Wooding.....40%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co.....
Humason & Beckley.....
Atha Tool Co.....
Fayette R. Plumb.....
40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ dos.....
Nos. 1, $3; 2, $4.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $3.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $1.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....30%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 lb....₩ lb 45c
3 to 5 lb.....₩ lb 35c
Over 5 lb.....₩ lb 30c
75@75&10%
Wilkinson's Smiths...10½c@11c ₩ lb

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....30&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Rank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
30&10%
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75
Auger, assorted...₩ gr 5.00
Auger, large.....₩ gr 7.00
30@ 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Miller's Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&5%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....60&10&5%
Terry's Pat., ₩ dos. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $15.00; 2, $22 3, $26.00.....60&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Feliz, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 66½c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&5@50&10%
Barry, $6.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $2.00; No. 2, $6.00.....30%

Hay and Straw Knives—
Lightning, Mfrs' price ₩ doz $18.00.45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$12.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. 6 to 12 in., ₩ lb 3 9-10c; 14 to 20 in., ₩ lb 3 4-10c; 22 to 36 in., ₩ lb 2 9-10c
Heavy Welded Hood. 6 to 12 in., ₩ lb 3 9-10c; 14 to 20 in., ₩ lb 3 4-10c; 22 to 36 in., ₩ lb 2 9-10c
Screw Hook and Eye. ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 lb $5.75, over 14 in., ₩ 100 lb.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....60%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1895.....30%
Acme.....30%
J. S.....35&10%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$12.00
New Idea ₩ gro.....$12.00
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....30%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@30%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....60%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....50&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—
Western.....₩ dos $4.40, 60%
N. E.....₩ dos $7.00, 55%
N. E. Reversible, ₩ dos $5.30, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ dos $5.00, 55&10%
Automatic.....₩ dos $12.50, 50%
Keil's Superior.....20%
Common Sense..₩ dos pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ dos $13.00, 50%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....60&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....60%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....60%
Buffalo.....30%
Clark's Genuine Pattern.....60%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2¼, 3.....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.....60%
Planter's Cotton, &c.....60%
Warren Hoe.....65%
Magic.....₩ dos $4.00
Dunlap's:
Boys' hoes.....₩ dos $3.00, 20%
Ladies' hoes.....₩ dos $3.00, 30%
Scuffle.....30%

EYE—
D. & H. Scovil.....20%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....25%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ dos $1.25
Hill's Tongs.....₩ dos $2.00
Hill's Rings...₩ dos bxs $2.15@$1.00
Perfect Rings...₩ dos bxs $1.85@$1.70
Perfect Ringers...₩ dos $2.15@$2.25
Blair's Hog Ringer ₩ dos $2.25@$2.50
Blair's Hog Rings...₩ dos 90c@$1.00
Champion Ringers.....₩ dos $2.00
Champion Rings, Double, ₩ dos $2.25
Brown's Ringers.....₩ dos $2.00
Brown's Rings.....₩ dos $1.25@$1.90

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%
Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 35%&10%
Rustless Hollow-Ware.....70@70&5%
Triumph Ranges.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother.....
40&5%

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Hartford Silver-Plate Co.
William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading....
Clothes Line, Sargent's list. } 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....⅌ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%
MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ⅌ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	26c	26c	25c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	28c	25c	24c	23c.	40&10&5&5&2%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	25%
Northw't'n.	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c.	21c	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Mand S.	25c	23c	22c	21c.	21c	40&10&5%
Champlain.	28c	28c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c.	35%
Western	23c	21c	20c	19c	18c.	50%
Empire Bronzed						13@14c ⅌ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....⅌ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20
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Inches.	12x9	13x9½	14x10	15x10½
Dozen..	$14.40	$18.00	$20.64	$23.40
Each...	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen..	$27.00	$32.40	$41.58	$49.50
Each...	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	23x15½	24x17	26x18½
Dozen..	$65.34	$79.20	$108.90	$136.62
Each...	5.45	6.60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18
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Inches.	12x9	13x9½	14x10
Dozen..	$14.40	$18.00	$20.64
Each...	1.20	1.50	1.72
Quarts.	20	24	32
Inches.	15x10½	16x11	17x11½
Dozen..	$23.40	$27.00	$32.40
Each...	1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&5%
Eagle Lock Co's. Cabinet &c.33⅓&5%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....⅌ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....35%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....⅌ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives.⅌ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ⅌ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ⅌ doz. $4.50; 14 in. ⅌ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$3.00@3.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....⅌ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....⅌ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....80%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....35%
Gibbs' Arc.....net ⅌ doz. $12.00
Gibbs' Hustler.....net ⅌ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ⅌ doz. $6.00 40&5@40&10%
Wood No. 2.....⅌ doz. $2.00, 50%
Wood, Common....⅌ doz. $1.70@1.75
Dunlap's Improved ⅌ doz. $2.75. 20%
Jennings' Star.....⅌ doz. $2.25
The Boss.....⅌ doz. $2.50
Dean's, Nos. 1, ⅌ doz. $6.50; 2, $3.35 3, $1.65; Queen $3.50 net
Little Giant.....50@50&10%
Hotchkiss.....⅌ doz $15.00, 40%
Berger Bros. ⅌ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....⅌ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....28c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ⅌ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ⅌ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '93.....65⅔%
Reading Hdw. Co. List Feb. 2, '93. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&5%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%
CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&5%
Eagle Lock Co.....33⅓&5%
Charles Parker Co.....33⅓&5%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%
TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&5%
Eagle Lock Co.....25&5%
PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&5%
Eagle Lock Co.....25&5%
Eureka, Eagle Lock Co.....40&5%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Delts.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&40%
Nos. 120 line.....90&15%
Nos. 109 line.....65%
Nos. 225, 610 and 209 lines.....70%
Nos. 510 line.....70&10%
All other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....80%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....⅌ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ⅌ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ⅌ doz.....70%

Nos.	11	12	13
	$37.00	$38.00	$45.00

American.....80%

Nos.	1	2	3	4	5
Each.	$5	$7	$10	$25	$50

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....35%

Nos.	10	12	22	33	43
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ⅌ doz...45@45&5%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..⅌ doz $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$80	$75	$80	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter. ⅌ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list, 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....⅌ doz $9.00
Giant, No. 1.....⅌ doz $18.00, 10%
Giant, No. 2.....⅌ doz $15.00, 10%
Pelican.....⅌ doz $9.00, 25%
Lightning.....⅌ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....⅌ gr. $4.00@$4.25
Round.....⅌ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point⅌ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ⅌ doz., $3.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ⅌ lb net; in packages less than 100 lb. add ½c ⅌ lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ⅌ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....⅌ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ⅌ gross.....$7.50
Indian Pond Red End, No. 1, ⅌ gross.....7.00
Indian Pond Red End, No 2, ⅌ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Extra Green Paper Wrapper, ⅌ lb..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips:
Extra, ⅜ to 5x1¾ to 2x⅝ to ⅝ at back, ½ to 5-16 edge ⅌ lb .80
No. 1, (same sizes as above) " .70
No. 2, " " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ⅌ lb..... .70
Discount 33⅓%
Pike's Washita Mounted:
8x2, ⅌ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x⅝ to 1¼, ⅌ lb..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ⅌ lb..... 2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ⅌ lb..... 3.50
No. 1, 8 to 12x1¾ to 2½x¾ to 1¼, ⅌ lb..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ⅌ lb..... 4.00
No. 2, assorted sizes, ⅌ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ⅌ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ⅌ lb .08
Washita Finish, about 8x2x¾ to 1¼, ⅌ lb..... .10

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Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb. .20
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ lb. .12
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ gross. 8.00
Penknife Pieces, about 3⅛x1¼ x¼ to ⅛, ₩ gross. .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb. .08
Small Axe, about 3x2x⅛ to 1 ₩ lb. .10
Special Axe, 3⅛x1¼x⅛ ₩ lb. .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb. .05
Medium, 8 to 8½x2x1¼, weight about 1¾ lb, ₩ lb. .05
Large, 8½ to 9x2½x2, weight about 3 lb, ₩ lb. .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ lb. .06
Large Table, 10x4x2 " " .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb. .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston" .60%
"Excelsior" Self-Vulcanising, per lb 70c. .40%
Boston "Phœnix" Red Sheet, per lb. 50c. net
N. Y. B. & P. Co., Standard. .50%
N. Y. B. & P. Co., Empire. .60%
N. Y. B. & P. Co., Salamander. .25%
N. Y. B. & P. Co., 1846-Para. .40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon. .60&10%
Standard .60&10%
Extra. .50&10%
Cleve. Rubber Co., Buckeye. .75%
Cleve. Rubber Co., High Grade. .60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard. ₩ lb 30c. .35&5%
MISCELLANEOUS—
American Packing. 10c@11c ₩ lb
Russian Packing. 14c ₩ lb
Italian Packing. 13c@14c ₩ lb
Cotton Packing. 15c@17c ₩ lb
Jute. 7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance. ₩ doz $4.75
Baldwin ₩ doz 5.25
Bonanza ₩ doz 5.00
Daisy ₩ doz 4.00
Dandy ₩ doz 7.50
Eureka, 1886. each 16.00
Family Bay State. ₩ doz 12.00
Favorite ₩ doz 5.00
Ideal ₩ doz 4.00
Improved Bay State. ₩ ds. $27@30.00
Little Star ₩ doz 4.50
Monarch ₩ doz 13.50
New Lightning ₩ doz 5.50
Penn ₩ doz 4.00
Perfection ₩ doz 4.00
Pomona ₩ doz 4.00
Rocking Table ₩ doz 6.00
Turntable ₩ doz 4.50
Waverly ₩ doz 4.00
White Mountain ₩ doz 4.00
72 ₩ doz 4.25
78 ₩ doz 7.00
Oriole, ₩ doz $5.00. .20&10%
Victor, ₩ doz $15.00. .20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain. ₩ doz $4.50
Antrim Combination. ₩ doz 5.50
Hoosier ₩ doz 13.50
Saratoga ₩ doz 5.50

Pencils—
Faber's Carpenters'. high list 50%
Faber's Round Gilt. ₩ gro $5.25
Dixon's Lead. ₩ gro 4.50
Dixon's Mascot, Round. ₩ gro. $3.10
Dixon's Mascot, Hexagon. ₩ gro. 3.38
Dixon's Lumber. ₩ gro 6 87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead. ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00. .60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding. .50%
Bench, First Quality. .55%
Bench, Second Quality. .60%
Bailey's (Stanley R. & L. Co.). .40%
C. E. Jennings & Co. .60&10%
U. S. Ship. .45%
U. S. Grooving. .40%
Fales Bench. .30%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's. .40%
Victor. .30%
Miscellaneous. .35%
Steer's Iron Planes. .40@40&10%
Meriden Mal. Iron Co.'s. .40@40&10%
Davis's Iron Planes. .40@40&10%
Gage Tool Co.'s Self-Setting. .20&10%
Chaplin's Iron Planes. .40@40&10%
Sargent's. .40&10%
Standard Tool Co. .50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's. $5.00@$5.25 to £
Buck Bros. .30%
Auburn "Thistle" } 25%
Ohio } 25%
Sandusky } 25%
S. & L. J. White. .25%
Stanley Rule & Level Co. 50%
C. E. Jennings & Co. .25&10%
Hinsdale. .20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers. .33⅓%
Hall's X American Pliers. .25%
Hall's Side Cutting Pliers. .30%
Hall's Nippers. .30%
Button's Patent. .50%
Humason & Beckley Mfg. Co. 50@50&10%
Gas Pliers. .60%
Eureka Pliers and Nippers. .40%
P. S. & W. Cast Steel. .50%
P. S. & W. Tinners' Cutting Nippers. add 6% dis. 10%
Carew's Pat. Wire Cutters. .20%
Swiss Pliers. .25%
Stubs'. .20%
Morrill's Parallel, ₩ doz $12.00 .30&5%
Cronk's 8 in., $15; 10 in $20.00. .50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5¼ in. ₩ doz. $3.00; 6¼ in. ₩ doz. $2.75
Wm. Johnson's Gas Pliers. .66⅔%

Plumbs and Levels—
Millers Falls. .33⅓%
Stratton's Nos. 1, 10, 11, 12. .25%
Stratton's Nos. 2 to 8. .50%
Cook's. .40&10%
Stanley's. .75%
Regular List. .75%
Disston's. .50%
Pocket Levels. .70%
Davis' Iron Levels. .20&10%
Davis' Inclinometers. .10&10%
Wood's Extension Sight. .30%
Plumb Bobs. .40%
Wm. Johnson's. .75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's. .25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz. .10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz. .10%
J. P. Lovell's Police Goods. .25%

Polish, Metal—
Prestoline. .20&10%
Prestoline Paste. .33⅓%

Polish, Stove—
Joseph Dixon's. ₩ gro $6.00, 10%
Gem. ₩ gro $4.50, 10%
Lustro. ₩ gro $4.75
Rising Sun, 5 gro lots. ₩ gro $5.50
Dixon's Plumbago. ₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw. ₩ doz $18.00, 25%
Disston's Pruning Hook. ₩ doz $12.50, 25&5%
Seymour Smith & Son's. ₩ doz $8.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%.
Pruning Shears, Henry's Pat. ₩ doz. $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination. ₩ doz $12.00, 20%
Dunlap's Saw and Chisel. ₩ doz $5.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. .60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&2%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&2%

Pulleys—
Axle. .60%
Dumb Waiter. .60%
Ceiling. .60&10%
Hot House. .66⅔%
Upright. .60&10&10%
Screw. .60&10&10%
Clothes Line. .55@60&10%
Awning. .60&10&10%
Empire Sash Pulley. .60%
Common Sense. .60%
Moore's Sash, Anti-Friction. .65%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50. .50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75. .50%
Shade Rack. .45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00. .40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers. .60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig. 328, 3 in. Shallow Well Pump. $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump. $15.00
No. 5, Fig 307, 3 in. Deep Well Pump. $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump. $17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump. $15.00
No. 33, Fig. 523, 3 in Deep Well Pump. $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump. $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump. $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump. $15.00
No. 72, Fig 333, 3 in. Deep Well Pump. $15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump. $16.00
No. 102, Fig. 448, 3 in. Lift Pump. $10.00
No 118, Fig. 448, 3½ in. Lift Pump. $12.00
No 128, Fig. 510, 3 in. Lift Pump. $7.00
No 131. Fig. 510, 3½ in. Lift Pump. $8.00
No. 225, Fig. 389, Windmill Pump. $12.50
No. 230, Fig. 402, Windmill Pump. $13.50
No. 2 5, Fig. 408, Windmill Pump. $14.50
No. 240, Fig. 405, Regulator Pump. $30.00
No. 280 Fig. 4 4, Imperial Cyclone Pump. $18.00
No. 265, Fig. 5 2, Cyclone Tank Force Pump. $ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump. $17.00
No. 268, Fig 513, Low Down Tank Force Pump. $16 00
No. 302, Fig. 477, Spray Pump complete. $11.50
No. 330, Fig. 492, Bucket Spray Pump. $5.50
No. 333, Fig 517, Knapsack Spray Pump. $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz. .60@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $3.50@4.50
Spring, Leach's Pat. .15%
Bemis & Call Co.'s Springfield Socket. .65%
Bemis & Call Co.'s Spring and Check. .50%
Solid Tinners', P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co. .20&2%
Rice Hand Punches. .15%
Avery's Revolving. .40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots. .33⅓%
Lesser quantities. .25%
Niagara Hollow. .20%
Niagara Solid. .55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet. $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft. 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. $2.15 2.70 3.35. net
Terry's Steel Rail, ₩ foot. 4½c
Victor Track Rail, 7c ₩ foot. 50&5%
Carrier Steel Rail, ₩ foot. 4½c
Moore's Wrought Steel. .35&10%

Rakes—
Cast Steel, Association goods. .70%
Cast Steel, outside goods. .70&5%
Malleable. 70@70&5%
Oneida Lawn. $6.00 doz., net
Gibbs' Lawn Rake. net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite. net ₩ doz $3.90
Gibbs' Acme. net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless. .65%
Fort Madison Steel Tooth Lawn Rake, $6.00. .35%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25. .30%
Boys' rakes. ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No brand, $1.1
Hay 12 teeth. " $3.40; No. 2 $3.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Rawdust. $1.50
Gibbs' Garden:
Boss, No. 14. net ₩ doz. $2.95
Boss, No. 18. net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co. .30%
Westenholm and Butcher, $10.00 to £. net
Jordan's AAA1, list Nov. 1, 1889. .50%
Jordan's Old Faithful, list Nov. 1, 1889. .50%
Electric. List net
Campbell's Celebrated Warranted. .50%

Refrigerator Hardware—
Francis Keil & Son. .50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887. .60&10%
Copper. .50@10%
Coopers. .60&10%
Block. .60&10%
Carriage. .60&10%
Hame. .60&10%
Belt "Bettina" with Burrs. .50&5%
Burrs. .60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs. .60&10%

Rivet Sets—
Regular list. .55&60%

Rods—
Stair, Brass. .30%
Stair, Black Walnut. ₩ doz 40c

Rollers—
Barn Door, Sargent's list. .60&10&10%
Moore's Acme Barn Door. .55%
Moore's Adjustable Stay. .55%
Union Barn Door Roller. .70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜. ₩ lb 8½c
Manilla, ¼ and 5-16. ₩ lb 8½c
Sisal, 7-16 and larger. ₩ lb 5½c
Sisal, ⅜. ₩ lb 6½c
Sisal, ¼ and 5-16. ₩ lb 6½c
Sisal Lath Yarn, medium ₩ lb 5½c
Cotton Rope. ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila, ¼in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila, Hay Rope. ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal, ⅜ in ₩ lb 6 c
Sisal, ¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope. ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope. ₩ lb 11@13c net
Jute Rope. ₩ lb 5@6c net
12½ for cash in 10 days.

Rules—
Boxwood. .60%
Ivory. .50%
Miscellaneous, Stanley's. .60%
Starrett's Rules and Straight Edges, Steel. .35&10%

Sad Irons—
From 4 to 10 at factory. ₩ 100 lb $3.50@$3.75
Self-heating. ₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet. .30%
Enterprise Star Irons. .50%
Chinese Laundry:
New England Butt Co. 6½c, 15%
New England. 5c, 15%
Mahony's Troy Pol. Irons. .15%
Sensible. .30%
National Self-heating. .25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set. $ .75 net.
No 55, ₩ set. .70 net.
No. 60, ₩ set. .80 net.
No. 65, ₩ set. .75 net.
Outfits, No 550, each. 2.60 net.
Outfits, No. 555, each. 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net. $2.40
Crown Sad Irons, No. 235, per dozen, net. $2.00
Chinese Laundry, net ₩ lb. .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper. .20&5%
Emery Cloth. .50&5%
Garnet Paper. .30&5%

Saw Chain—
Giant. .40%
Monarch. .50%
Red Metal. .40&10&10%
Steel. .40&10&10%
Morton's:
Champion Metal. .25%
Steel Cable. .20%

Sash Cord—
Common. ₩ lb 10@11.
Jute, good quality. ₩ lb 11.
White Cotton Braided, fair. ₩ lb 12
Common Russia Sash. ₩ lb 13c
Patent Russia Sash. ₩ lb 15c
Cable Laid Italian Sash ₩ lb 25½c@26c
India Cable Laid Sash. ₩ lb 14c
Silver Lake:
A Quality, White. .30%
A Quality, Drab. .25%
B Quality, White. .40%
B Quality, Drab. .30&10%
C Quality, White (only) 25½c@ 26c
Sylvan Spring:
Extra Braided White. .35c
Extra Braided Drab. .27½c
No. 4 Braided White, $3.00. .10&10%
No. 4 Braided Drab, $3.00. .10&10%
No. 4 Braided Colors, $3.50. .10&10%

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Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....56c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....50&10@75&10%
Sash Rollers.....60%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....60%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's..... 33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kenpshall's Gravity.....60%
Kenpshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....₩ ton $22.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
W. & McP. Hand.....35%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C. Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back.45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracelet.....25%

Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $6.50@$10.00
Red, Polished and Varnished...₩ doz., $6.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet.40%

Saw Sets—
Stillman's Lever. Nos. 40, 45.....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $14.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4 $20.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00 No 2, $24.00.....40&10%
Avery's Saw Set and Punch..... 50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leonard.....₩ doz., $15.00, 40%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 2 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped..$2.30@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's...33⅓@33⅓&5%
Richie Bros.' Platform.....40%
Brittan, Graham & Mathes.....30%

Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.—
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....20&10%
Box, 1 Handle.....₩ doz., $4.00, 10%
Box, 2 Handle.....₩ doz., $4.00, 10%
Defiance Box & Ship.....20&10%
Foot.....50&10@60%
Ship Common.....₩ doz., $3.50 net
Ship, R. I. Tool Co.....10%

Screens—
Phillips:
Bonanza Screens.....50&5@50&10%
Perforation Screens..50&5@50&10%
Window Screen Frames...50 & 10@ 50&5&2½%

Screen Doors—
Phillips:
Stained.....50&5@50&10%
Painted.....50@50&5%
Fancy Pine.....10@15%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Hat bet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co.50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 70@60c
Screw-Driver Bits, Parr's ₩ gro. $4.25
Frary's Hol. Hdle. Sets, No. 4, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....25⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
18 A.....70&10%
12¾ Extra.....70%
13¾ Ebonized Handle.....70%
1.1¾.....75%
14¾ Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....65%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....5%
Round Head Brass.....75%
Flat Head Bronze.....30%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..5%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₩ doz $3.00@3.25
Hand, Wood.....25%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....60&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes, Scroll Saw Blades.....25%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....60&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt.60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1861. 60&10@60&10&5%
Heinisch's List, Dec. 1861. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel Japanned.....70%
Pruning, See Pruning Hooks & Shears.
Campbell Cutlery Co.'s, Jap.....75% Nickel.65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888.80&10@80&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....80&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....50%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bees, at factory.....$4.00
Bryden's Frog Pressure, at factory $4.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow.....₩ ℔ 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....20% [Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&30%
Snow, D Handle, ₩ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1889.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....50&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ₩ doz. $2.00
Hunters.....₩ doz. $2.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd.70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps.
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps.

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....35%
Stearns'.....30&10%
Millers Fal's.....25%
Wm. Johnson's:
Wood, 1st.....8½
Wood, 2nd Quality.....8½%

Spoons and Forks—
TINNED IRON—
Basting, Can. Stamp, Co's list. 70&10%
Solid Table and Tea, Can. Stamp, Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..20&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros.40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co.40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&15&10
L. Boardman & Son.....50&15%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....60&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ &5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....} 60%
Nickel-Plated.....}
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...20&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....60%
Hooks and Staples.....80&25&10%
Extra Heavy.....60%
Hasps and Staples.....80&25&10%
Extra Heavy.....60%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....60%
Barbed Bed Spring Staples..75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....60&10%
Norway Iron Clinch.....60&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....50%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 5&2½% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ₩ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers. ₩ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers. ₩ box.....$3.75
Best Steel, Tinned or Coppered, 4 oz. papers. ₩ box.....$6.25
Atlas "Home" Tacks:
No. 50, ₩ carton.....$2.00 } 50%
No. 50, ₩ case.....8.00 }
No. 100, ₩ carton.....4.00 }
No. 100, ₩ case.....12.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....55%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron, Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lane, Swedes Iron.....60%

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Gimp and Lace Tacks, Lane, Swedes Iron, Tinned.....60%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lane.....50%
Swedes Saddlery Tacks, Jayeyesee brand.....50%
Claw Handle Carpet:
Bright or Blued.....⅌ gro $4.00
Tinned or Coppered....⅌ gro $4.25
Bonnie Blue Tacks, ⅌ case.....$1.50
Parisian Gilt Nails, ⅌ carton.....50c
Bill Nye Brad, ⅌ box.....$4.00
Miners' Tacks, S. S.....75c
Copper Tacks.....60&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....35%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....60%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....7%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....60&10%
Pipe.....50%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ⅌ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....60&10%
Combination with Barometer ⅌ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&5%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887. 70&10@70&10&10%

Trammel Points—
Cook's.....35%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....35%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car, Double Steel T...3.50
Single rail Car, Single Steel T.$3 50
Rev. Car, Wood Track.....$3 5
Comb. Car, Wood Track.....3 25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track (includes four sling ropes).$12.00
Sure Grip Sling Car, Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps ⅌ ft.....09
Single Rail Steel Track with clamps ⅌ ft.....09
D. H. Fork, Steel Regular, each .75
Needle Fork, each.....$1 00
Walker Fork, each.....$1 5
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ⅌ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 340 and 361 ⅌ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 435, ⅌ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig 4 3 ⅌ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 465, ⅌ doz..$1 50
Reed Wood Frame Pulley with Hook Fig 434, ⅌ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 435, ⅌ doz $3.00
Floor Hooks, ¾ in ⅌ doz.....65
Hanging Hooks for Double Steel Track, ⅌ doz.....80
Hanging Hooks for Single Steel Track, ⅌ doz.....80
Hanging Hooks for Wood Track, 10 in. ⅌ doz.....45
Hanging Hooks for Wood Track, 11 in, ⅌ doz.....55
Wrought Rafter Brackets, ⅌ doz.....45
Malleable Rafter Brackets, ⅌ doz 45
Rope Hitch, ⅌ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dickeons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ⅌ doz hole 90@10%
S.T.....⅌ doz $6.00, 20%
Mouse, Round Wire. ⅌ doz $1.50, 20%
Mouse, Cage, Wire. ⅌ doz $2.50, 10%
Mouse, Catch-'em-alive ⅌ ds $2.50.15%
Mouse, Bonanza.....⅌ gr $10.00
Mouse, Ideal.....⅌ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....⅌ gr $9.50
Rat, Keystone.....⅌ gr $10.00
Rat, Exterminator.....⅌ gr $12.00
Rat, Decoy.....⅌ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ⅌ gross $18.00.....80%
Rat, ⅌ gross $30.00.....50%
Household.....⅌ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....⅌ gr. $13.50
Electric Rod.....⅌ gr. $16.50
Globe.....⅌ gr. $13.50
Harper.....⅌ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .35%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johns n's:
Brick and Plastering..... 40%
Brick No 100 extra.....30%
Pointing.....40%
Corner.....40%

Vises—
solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....30@10%
Holland's.....40@45%
Parker's.....30@35%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....30@35%
Simpson's Adjustable.....40%
Moore's.....30%
Little Giant Bench.....35&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15.00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ⅌ gross. $3.50 to $12.00
Rattan Drop Tops ⅌ doz. 50c to $1.50
Rattan Straight ⅌ dos. 80c to 3.00
Rattan Fancy Mounted ⅌ dos. $1.50 to $6.00
Stocked Javas ⅌ dos.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ⅌ dos. $4.00 to $7.50
"True Grip" Raw Hide ⅌ dos. $6.00 to $12.00
Whalebone...⅌ dos. 3.00 to $4.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....35&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....75⅔%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....66⅔%
Tin'd, Tinned list Nos. 0 to 18.65⅔%
Tinned Broom Wire.... ....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....30%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to 8 30%
Steel Music Wire, Nos. 12 to 20 55c ⅌
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 60&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ⅌ 100 sq. ft..$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....35%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&5%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black 40&10%
Patent Combination Bright. 40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....35%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....30%
Lowell Lag Screw.....35%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30 Erie, 11 inch	27.00
No. 55, King, 11 inch	26 25
No. 45, King, 10x1¾ inch	25.00
No. 65, King, 11x2 inch	32.00
No. 2, "Zenith" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3. Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch..	27.00
No. 99 Pittsburg, 11x2 inch....	31 00
No. 33, Nonpareil, 11x1¾ inch..	28.00
No. 44, Nonpareil, 11x2 inch....	32.00

Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches....	21.00
No. 11 Rolls, 11x1¾ inches....	25.00
No. 12 Rolls, 12x1¾ inches....	29.00

PAINTS, OIL, VARNISH, ETC.

Oils—

Linseed, City, Raw	⅌ gal. 50c
Linseed. City, Boiled	⅌ gal. 53c
Linseed. Western, Raw	⅌ gal. 54c
Lard, City, Extra, Winter.	⅌ gal. 56c
Lard, City, Prime	⅌ gal. 54c
Lard, City, Extra No 1	⅌ gal 50c
Lard, City, No. 1	⅌ gal. 45c

Paints and Colors—

Barytes, Foreign	⅌ ton $22.00@$25 00
Barytes, American, Floated	⅌ ton $26.00@$28 00
Barytes, American, No. 1	⅌ ton $16.00@$18.00
Barytes, American, No. 2	⅌ ton $13 60@$15.00
Barytes, American, No. 3	⅌ ton $11.00@$12.00
Paris Green, in bulk	23c
Paris Green, small pack	29c
Lead American, White	4¼@4¾c
Lead, Dry in Oil	5¾@6¼c
Lead, Red, in kegs	5¼@6c
Litharge, in kegs	5¼@6c
Zinc, American, Dry	3½@4½

Putty—

In Barrels and half bbls.	.01½@.01¾
In Tubs.	.01½@.01¾
In Tin Cans	.01½@.03½
In Bladders	.02¼

Spirits Turpentine—

In regular barrels	⅌ gal. 30½c
In machine barrels	⅌ gal. 31 c

Varnishes—
Smith's:

Spar Coating	$4.00
L.X.L. No. 1	$3.75
Best Rubbing, Palest	$4.00
Piano Polishing	$4.00
Coach Japan	$1.75
Extra No. 1 Coach	$2.50
No. 1 Coach	$2.25
Lt. Hd. Oil Finish	$2.50
Dark Hd. Oil Finish	$1.25
Wearing Body	$6.00
Rubbing Body	$4 50
Quick Rubbing	$2.50
Black Rubbing	$4.50
Rough Stuff	$2.50
Umber in Oil	⅌ lb .20
Sienna in Oil	⅌ lb .22
Ochre in Oil	⅌ lb .13
Window Blind Green in Oil..	.21
Chrome Yellow in Oil...	⅌ lb .27
Indian Red in Oil	⅌ lb .21
Dealers' Discounts in large lots	35%

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

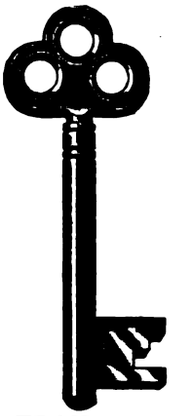
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Experienced salesman to represent staple line to the Hardware trade, upon commission in New York, Pennsylvania, West Virginia, etc. Address, "Business," care HARDWARE, 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Ohio, Lake County.

A COST clerk with several years' experience with Hardware manufacturing concern of national reputation, is open to an engagement. Understands book-keeping, correspondence, general office work, etc. Address Accuracy, care HARDWARE, 143 Chambers Street, New York City.

WANTED—By a young man twenty-six years of age, position in wholesale or retail Hardware store; experienced; best of references. Address W. A. F., 215 North Fifth Street, Brooklyn, N. Y.

PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent, or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Have superintended several Hardware manufacturing plants. Address N. Y. K., care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted as Hardware salesman; four and one-half years' experience in builders' Hardware, butchers' and grocers' supplies. Best of references. Address S. V. W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED entry clerk and bookkeeper wants position with large concern where hard work and strict attention to business will ensure promotion and position. Has had four years' experience as a salesman in general Hardware. Address Hardworker, care HARDWARE, No. 143 Chambers Street, New York City.

POSITION wanted by an American. Age, 34. Bookkeeper, clerk or shipping clerk. Experienced in electrical supplies. Address G. F. M., care HARDWARE, No 143 Chambers Street, New York.

SITUATION wanted as Die-maker. Experienced in cutting, forming and drawing work, plain or combination. Address D. M., care HARDWARE, 143 Chambers Street, New York City.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

AN active, reliable salesman, having a large acquaintance among jobbing and retail Hardware, housefurnishing and department stores in New York, Philadelphia and the South, desires a manufacturers' agency. Specialties preferred. A-1 references. Address, S. B., care HARDWARE, 143 Chambers Street, New York City.

A BUSINESS man and salesman of twenty-five years' experience, capable and reliable, desires a manufacturers' agency—either Hardware specialties, supplies for gas, steam, water and oil, or a line of housefurnishing goods for domestic and export trade. Highest reference, given. Address Wallace, care HARDWARE, No. 143 Chambers Streets New York.

Side Lines Offered.

SALESMEN wanted to introduce our new novelty, a single article, light, and a free seller. Good commission paid. Address Moore & Co., No. 64 Reade Srteet, New York City.

WANTED—Traveling salesmen visiting stove and tinware, Hardware, house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co., Lock Box 47, Mercer, Pa.

A TRAVELING salesman who sells Hardware and can handle a side line upon a liberal commission, may find a profitable business by addressing "Side Line," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

GOOD OPENING—A chance for a good worker. A young man with a capital of $3000 can obtain one-half interest in a well established Hardware business, in a growing section of Brooklyn. Address V. M. C., Blythebourne, N. Y.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. **ISAAC CHURCH,**
Send for Catalogue. **Toledo, O.**

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Anvils.
Todd-Donigan Iron Co., Louisville Ky.

Annunciators.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bellows.
Todd-Donigan Iron Co., Louisville, Ky.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Harmon & Dixon, New York.
John H. Graham & Co., New York.
Multi-Stroke Bell Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Julius Andre, Milwaukee, Wis.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co, New York, Hagerstown, Md.
Curtis-Child Mfg. Co., Philadelphia.
Cushman & Denison, New York.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis Minn.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co., New York, Chicago.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Smith & Egge Mfg. Co., Bridgeport, Conn.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
W. H. Divine, Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York,
Norwalk Lock Co., South Norwalk, Conn., New York, Boston, Baltimore, Chicago.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co, Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Haas, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coal Hods.
Cincinnati Screw & Tap Co, Cincinnati, Ohio.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
De Grauw, Aymar & Co., New York.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cuspidores.
Cuspidore Mfg. Co., Newark, N. J.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Haas, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Electric Bells and Supplies.
John H. Graham, New York.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co., Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Files.
Arcade File Works, Anderson, Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gauges.
Billings & Spencer Co. Hartford, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hammers.
Billings & Spencer Co., Hartford Conn.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hangers, Window.
W. A. South Co., Salem, Mass.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Shields, Sweet & Lyon, New York.
Surpless, Dunn & Alder, New York.
Underhill, Clinch & Co., New York.
Chas. Welland, New York.

Hardware Specialties.
Allentown Hardware Works, Allentown, Pa.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Kell & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
W. A. South Co., Salem, Mass.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
Francis Kell & Son, New York.
James Mann & Sons, Buffalo, N.Y.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.
Putnam Nail Co., Neponset, Boston, Mass.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
Joseph A. Bogardus, New York.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg. Co., Philadelphia

Iron.
Bruce & Cook, New York.
Howard Iron Works, Buffalo, N.Y.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Welland, New York.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York.
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Conn, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
Th. M. Hass, New York.
H. B. Ives & Co., New Haven, Ct.
Francis Kell & Son, New York.
Norwalk Lock Co., South Norwalk Conn., New York, Boston, Baltimore, Chicago.
Reading Hardware Co., Reading, Pa.
Russell & Erwin Mfg. Co., New York
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
C. H. Angus, Albany, N. Y.

Mail Boxes.
W. C. Heller & Co., Montclair, N.J.

Mallets.
Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
Yale & Towne Mfg. Co., Stamford, Ct.

Metal Statuary.
Fred. F. Bischoff & Co., Chicago.

Metallic Paint.
Bruce & Cook, New York.

Metal Polish.
John Chatillon & Sons, New York.

Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Nails.
Atlas Tack Corporation, Boston.
Bruce & Cook, New York.
Rockford Tack Co., Rockford, Ill.
Chas. J. Stebbins, New York.

Nail and Tack Pullers.
American Specialty Co., Hartford, Conn.
Billings & Spencer Co., Hartford, Conn.

Office Railings.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Oil Cans.
Star Mfg. Co., Canton, Ohio.

Oilers and Oil Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
Fred. F. Bischoff & Co., Chicago.

Packing.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Patents.
Chas. J. Gooch, Washington, D. C.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Hanly Stove Mitten Mfg. Co., Boston, Mass.

Poultry Netting.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Garvin Machine Co., N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Raisin Seeders.
Everett Specialty Co., Boston.

Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Razor Strops.
Wm. A. Shull, Philadelphia.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Kell & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co. Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton O.
Merchant & Co., Philadelphia.
Todd-Donigan Iron Co., Louisville, Ky.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Kenffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Chains.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Sash Cord.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Sash Fasteners.
F. V. Wooster, Boston.

Sash Locks.
Champion Safety Lock Co., Cleveland, Ohio.
H. B. Ives & Co., New Haven, Ct.
Reading Hardware Co., Reading, Pa.

Sash Weights.
E. E. Brown & Co., Philadelphia, Pa.

Saws.
E. C. Atkins & Co., Indianapolis Ind.
Henry Disston & Sons, Philadelphia.
National Saw Co., Newark, N. J.

Saws, Butchers'.
John Chatillon & Sons, New York

Saw Handles.
Gwinner Mfg. Co., Hamilton, O.

Saw Sets.
Charles Morrill, New York.

Scales.
John Chatillon & Sons, New York.
Reading Hardware Co., Reading, Pa.

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Screens, Wire.
E. T. Barnum, Detroit, Mich.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., Geo getown, Conn, New York, Chicago.
A. J. Phillips Co., Fenton, Mich.

Screw Drivers.
Tower & Lyon, New York.

Shade Lines.
Samson Cordage Works, Boston.

Shaft Support.
Decatur Shaft Support Co., Decatur, Ill.

Shears and Scissors.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Hatch Cutlery Co., South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
J. Wiss & Sons, Newark, N. J.

Sheet Metal Goods.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.
Wilmot & Hobbs Mfg. Co. Bridgeport, Conn.

Sheet Metal Tools.
E. W. Bliss Co., Brooklyn, N. Y.

Shelf Brackets.
Atlas Mfg. Co., New Haven, Conn.
Stanley Works, New Britain, Conn., and New York.

Shoe Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Shovels.
Underhill, Clinch & Co., N. Y.

Silver Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Silver Co., Bridgeport, Conn
Wm. Rogers Mfg. Co., Hartford and Norwich, Conn.; Taunton, Mass.

Skates.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., N. Y.
Union Hardware Co., Torrington, Conn.
Samuel Winslow Skate Mfg. Co., Worcester, Mass.

Skate Sharpeners.
Charles Perkins, Bridgewater, Mass.
Union Hardware Co., Torrington Conn.

Skewers.
John Chatillon & Sons, New York.

Slaw Cutters.
Enterprise Mfg. Co. of Philadelphia, Philadelphia.

Sleds.
S. L. Allen & Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.

Snow Shovels.
A. J. Phillips Co., Fenton, Mich.

Solder.
Bruce & Cook, New York.

Spark Guards.
Dow Wire Works Co., Louisville, Ky.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spelter.
Bruce & Cook, New York.

Sporting Goods.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Conn.
Pope Mfg. Co., Boston.

Springs.
Boston Belting Co., Boston.
John Chatillon & Sons, New York.
Clark & Cowles, Plainville, Conn.
New Jersey Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., New York.
Tuck Mfg. Co., Brockton, Mass

Stable Fixtures.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Spring Hinges.
Francis Kell & Son, New York.
Van Wagoner & Williams Hardware Co., New York.

Steel.
Wm. Jessop & Sons, Ltd., New York and Sheffield, Eng.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Step Ladders.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.

Stocks and Dies.
Armstrong Mfg. Co., Bridgeport, Conn.
Butterfield & Co., Derby Line, Vt.

Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.

Stove Trimmings.
Troy Nickel Works, Troy, N. Y.

Stove Trucks.
See Trucks, Stove.

Stones, Scythe, Oil, Etc.
Cleveland Stone Co., Cleveland, O.
Pike Mfg. Co., Pike Station, N. H.

Strainers.
Ideal Strainer Co., Boston.

Tackle Blocks.
Todd-Donigan, Louisville, Ky.
Union Hardware Co., Torrington Conn

Tacks.
Atlas Tack Corporation, Boston.
Rockford Tack Co., Rockford, Ill.

Tack and Nail Machines.
Wm. A. Sweetser, Brockton, Mass.

Tapes.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.

Taps and Dies.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cincinnati Screw & Tap Co., Cincinnati, Ohio.

Telephones.
DeVeau & Co., New York.
W. P. Harrison & Co., Columbus, Ohio.

Ticket Punches.
R. Woodman Mfg. & Supply Co., Boston.

Tin.
Bruce & Cook, New York.

Tin-Plate.
Bruce & Cook, New York.

Tinware, Pieced, Stamped and Japanned.
Geuder & Paeschke Mfg. Co., Milwaukee, Wis.

Tobin Bronze.
Ansonia Brass & Copper Co., New York.

Tools.
American Specialty Co., Hartford, Conn.
Armstrong Mfg. Co., Bridgeport, Conn.
Athol Machine Co., Athol, Mass.
E. C. Atkins & Co., Indianapolis, Ind.
Billings & Spencer Co., Hartford, Conn.
E. W. Bliss Co., Brooklyn, N. Y.
Bridgeport Gun Implement Co., New York.
Buck Brothers, Millbury, Mass.
Butterfield & Co., Derby Line, Vt.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Coes Wrench Co., Worcester, Mass.
Henry Disston & Sons, Philadelphia.
Garvin Machine Co., N. Y.
Th. M. Hass, New York.
William Johnson, Newark, N. J.
Standard Tool Co., Cleveland, O.
L. S. Starrett, Athol, Mass.
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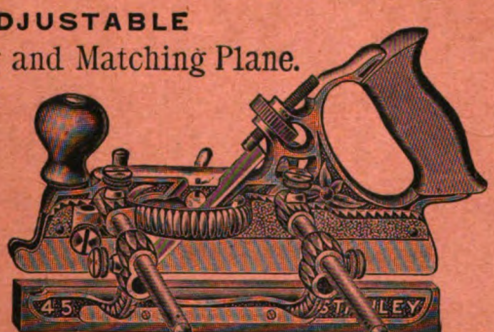
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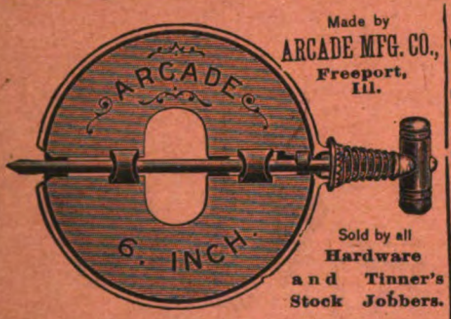
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Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grindstone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.

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MANUFACTURERS OF **HORSE AND MULE SHOES OF THE PERKINS PATTERN.**

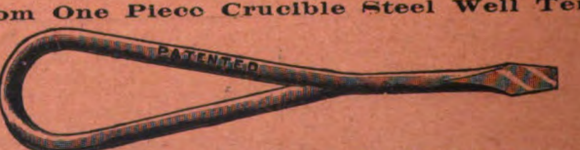
Specialties—X. L. Steel Shoes, Toe Weight Shoes and Goodenough Shoes.

Works at Valley Falls, R. I. Office, 31 Exchange Place, Providence, R. I.

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Made From One Piece Crucible Steel Well Tempered.



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ORANGE SPORTING POWDER, MANUFACTURED BY LAFLIN & RAND POWDER CO.

ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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Iron & Steel Cut Nails

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Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

Du Pont's Choke Bore.
Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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A new powder for Trap Shooters and others. Very regular in grain. Moist, quick, clean and strong.

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Regular pattern and hi h velocity, with low pressure. Try it. Load same as Black Powder. Directions on every wrapper.

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Of a quality to meet requirements of U. S. Army and Navy.

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OF

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Their First Shipment of

HARD GRAIN SMOKELESS SCHULTZE GUN POWDER

Which has been specially regulated in strength and moisture for the American climate.

In the manufacture of their **Hard Grain** powder they have embodied all the advantages that their long experience together with the latest modern improvements in powder making has shown to be the very best.

HARD GRAIN SMOKELESS SCHULTZE POWDER retains all the good qualities which have made **Smokeless Schultze Powder** famous all over the world, while its hard flinty grain and specially regulated moisture makes loading so easy that any amateur can now do so successfully

Variations in pressure on wads, or atmospheric conditions do not affect the shooting and loads may be varied as much as with black powder.

Hard Grain Smokeless Schultze is the most modern, the best of all smokeless powders, and excels any other Nitro powder in velocity, penetration, cleanliness, regularity and closeness of pattern.

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1895

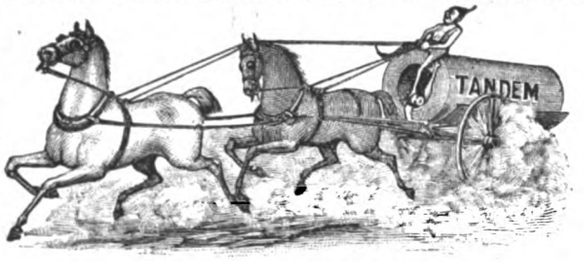
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Hartford Bicycles, $80.
Wizards, $60, $50.

The above will unquestionably be the easiest line of bicycles to sell in 1895, and the dealer who has the exclusive Columbia agency for his vicinity will be fortunate. We invite correspondence with enterprising firms of good standing.

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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing.

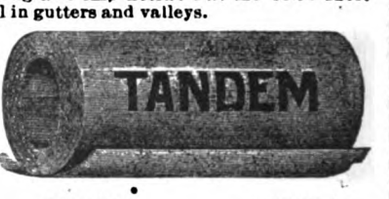
It is easier to lay than ordinary roofing and it makes a b-tter roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet Such courses are particularly useful in gutters and valleys.

It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges double handling, and time If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made.



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ATLAS AND JUDSON POWDERS

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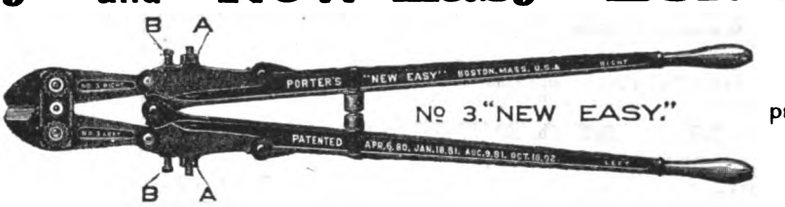
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The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For 5/8 Inch Bolts.

Send for circular and price list.

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We make Babbitt and Anti-Friction Metals by standard formulas, and never vary the formula to fit the price. The result is that our Metals are always the same uniform high quality, and we hold our trade.

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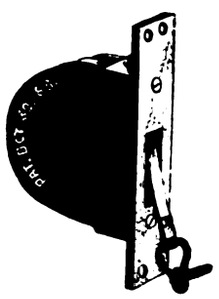
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We solicit their orders.

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Handy to carry, does the best work, is made of malleable iron, full nickeled; the handsomest article of the kind on the market.

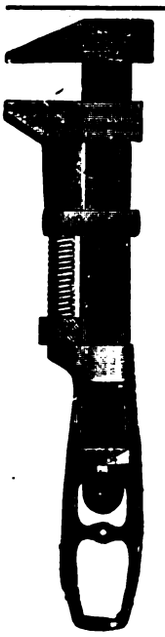
By its use the dullest pair of skates can be sharpened in five minutes, by any child old enough to skate.

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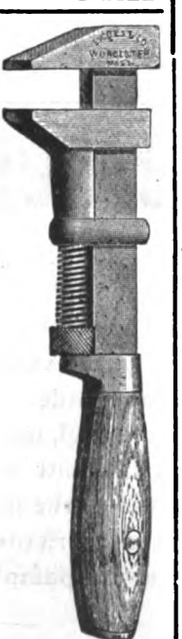
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Screw Wrenches.

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COES WRENCH CO.,

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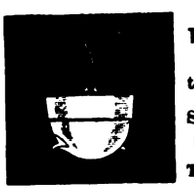


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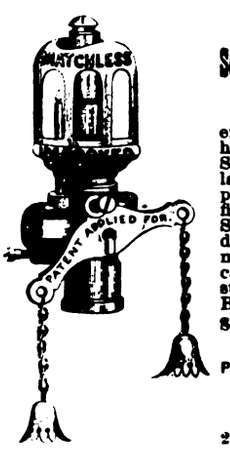
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Made in both Nickel and Silver Plate.

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No. 3.

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Universally Adopted.

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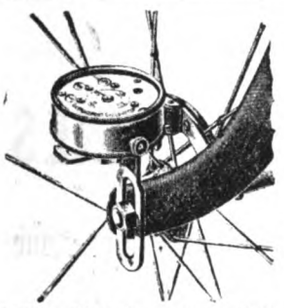
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DO YOU WANT TO EXCHANGE IT FOR A '95 MODEL "A"?
Then Read This Offer.

Upon receipt of 60 cents with your 1894 Bridgeport Cyclometer we will alter same to our new improved 1895 Model "A," with celluloid face plate and enlarged figures, and return to you by mail. This includes cleaning and re-nickeling. **Also, we will change for 35 cents** a 28 in. instrument to a 30 in., or a 30 in. to a 28 in. if this amount is mailed to us with cyclometer. Remember that our guarantee makes good any defect found in our cyclometers which is not due to the owner. **BRIDGEPORT CYCLOMETERS FOR 1895** will be made in three styles and will be fully guaranteed.

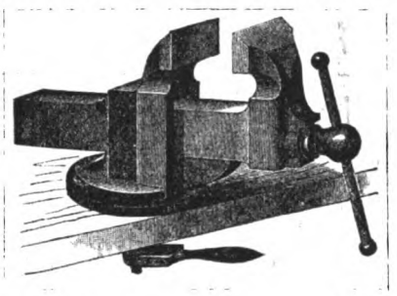
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A *PERFECT*

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NEW, LIGHT, DURABLE, POWERFUL.

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TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



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Great Reduction in Prices.

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The Cleveland Stone Co.,
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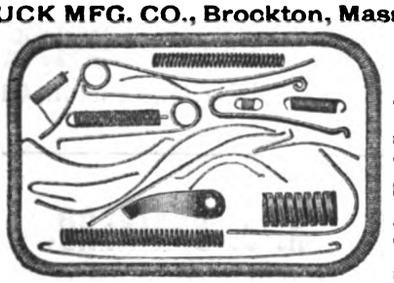


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Self-Retaining Elevators, Dumb Waiters and Hoists.

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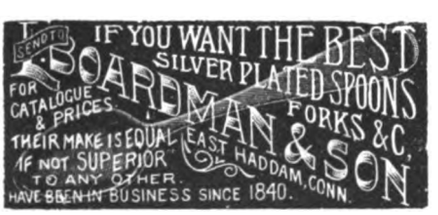
TUCK MFG. CO., Brockton, Mass.

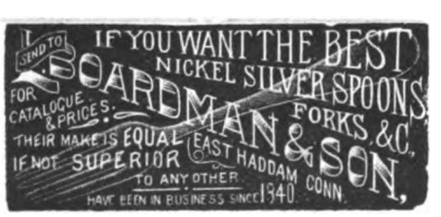
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Send for Tool Catalogue.

Tempered Springs of all kinds.







Large Profits in the Lawrence Paint Specialties.

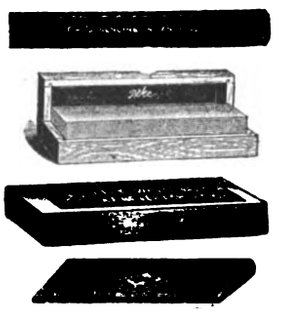
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But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



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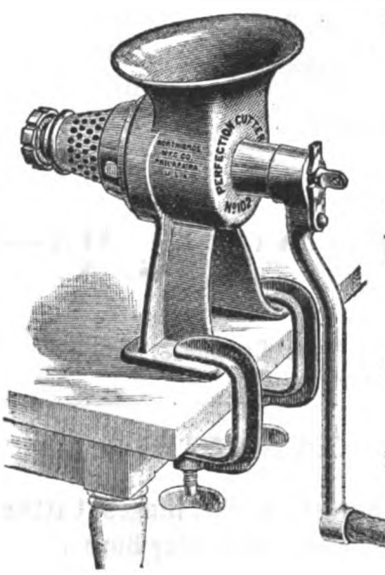
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TABLE HONES,
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THE PIKE MFG. CO., - Pike Station, N.H.



THE NEW
PERFECTION CUTTER

1894 PATTERN.

THE LATEST, BEST, MOST PRACTICAL, AND IMPROVED FOR FAMILY USE.

SIMPLE TO USE. ● EASY TO CLEAN. ● OF FEW PARTS. REQUIRES NO REPAIRS.

Easily put together and taken apart.
No parts to wear out or become dull.
Does not mash or grind meats, etc.
All parts coated with pure block tin.

CATALOGUES AND PRICES SENT ON APPLICATION.

NORTH BROS. M'F'G CO.,
Second and Lehigh Ave., PHILADELPHIA, PA.
JOHN H. GRAHAM & CO., Mfrs. Agents, 113 Chambers St., New York.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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O. W. Clapp. Dwight O. Clapp.

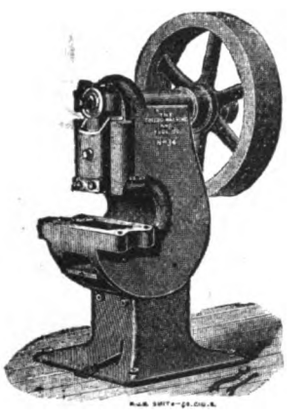
CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

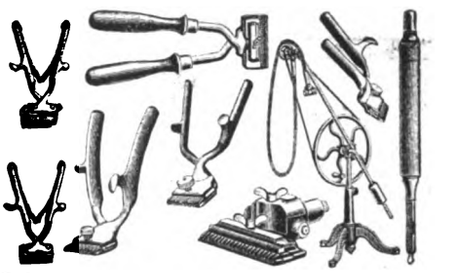
Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

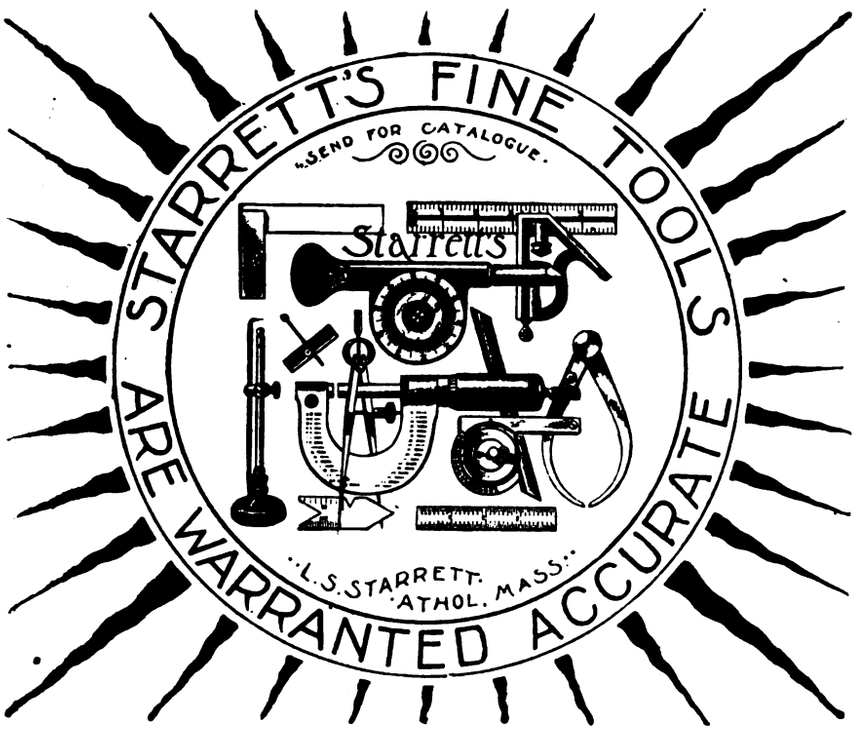
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Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



The Toledo Machine & Tool Co.,
501-505 Superior St., Toledo, Ohio.
—WE MANUFACTURE—
Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.
Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



COATES CLIPPER MFG. CO.,
Worcester, Mass, U. S. A.
MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.
-:-SEND FOR CATALOGUE.-:-



You have no risk on the quality.
We make only the best.



Sand Papers in Sheets and Rolls
Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

HAIR FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & CO.
700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
149 MILK STREET, BOSTON.
102 LAKE STREET, CHICAGO.

UNDERHILL, CLINCH & CO.,
94 CHAMBERS STREET, NEW YORK.

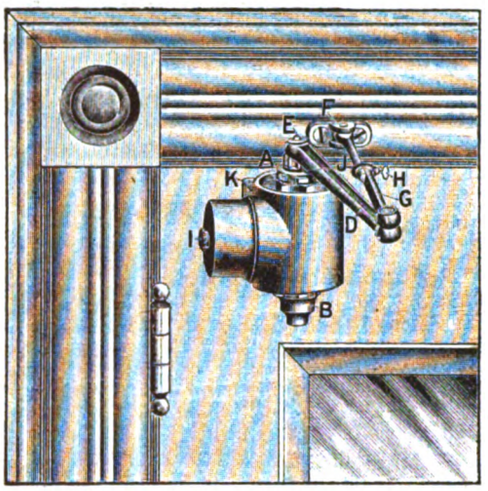
Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

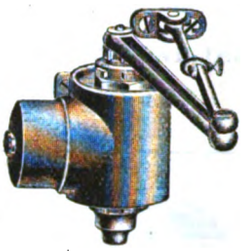
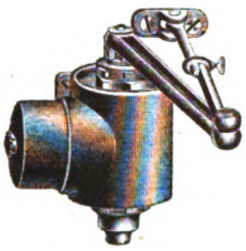
GENERAL HARDWARE.

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CORBINS'

LIQUID DOOR SPRING AND CHECK.


P. & F. CORBIN,

MANUFACTURERS,

FACTORIES & GENERAL OFFICES
—AT—
NEW BRITAIN, CONN.

WAREHOUSES:

NEW YORK:
Nos. 24 & 26 Murray St.
CHICAGO:
No. 63 Washington St.
PHILADELPHIA:
No. 925 Market St.

OHIO "WATER TIGHT"

STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.

With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.



The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.



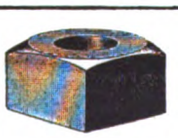
WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.




"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

ESTABLISHED 1828.

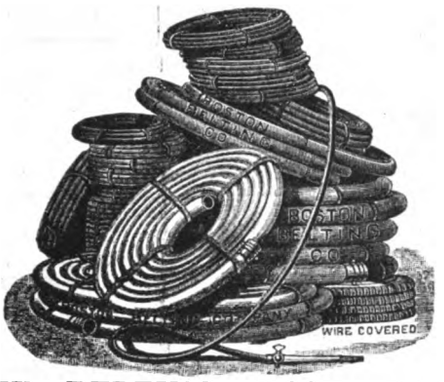
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



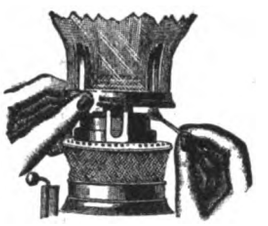
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

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—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
16-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
127-9 S. Meridian St. Indianapolis, Ind
287 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
280 East Water St. Milwaukee, Wis.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,* Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

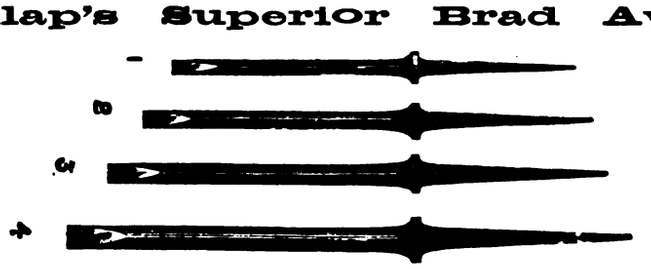
THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

P. S. STUB'S FILES. TOOLS. STEEL. Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST NEW YORK

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES. TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."

"Stamped with the BUCK'S HEAD."



BUCK BROTHERS,

MILLBURY, MASS.

The Most Complete Assortment in the U. S. of Shank, Socket Firmer and Socket Framing Chisels, Fine Bevel Edge Chisels, Plane Irons.

TWO PRIZE MEDALS,

No. 1098 and No. 1099, AT WORLD'S FAIR.

Buyers are cautioned against any parties who claim a recent connection (or any connection for over 20 years) with Buck Bros., or who represent goods as our make not stamped with the BUCKS' HEAD or BUCK BROTHERS in full.

TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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THE ATTENTION OF "UP TO DATE" MERCHANTS

IS INVITED TO

A FEW FACTS SHOWING WHY



THE "WISCONSIN PEERLESS" REFRIGERATOR Is the **BEST** and Superior to any made.

IT is the only Refrigerator combining the following features, every one of which is an improvement over anything that has heretofore been used in a Refrigerator.

Seven Walls to Preserve the Ice, viz.:

1st, Outside case of Oak or Ash; 2nd, Building Paper; 3rd, Mineral Wool; 4th, Building Paper; 5th, Dead Air Space; 6th, Inside case of Odorless Wood; 7th, Zinc Lining.

It is the **only Refrigerator with a cleansable flue system that discharges the air from the provision chamber directly on to the ice,** thus getting the full benefit of its cooling properties. All other Refrigerators bring the warm air into the ice chamber at the sides or front, the air becoming cold naturally falls at once to the bottom and the benefit of the greater part of the ice is lost.

It is the only **CLEANSABLE REFRIGERATOR** that does not offer an obstruction to the warm, impure air rising from the provision chamber, by compelling it to pass, **either over a cold metal surface,** or else through a space from which cold air is being thrown off by the ice chamber or basket. **Cold air will not rise.** This is an established fact. In the "Wisconsin Peerless" the flues are faced with wood (thoroughly treated with pure shellac), so that the impure air will not be chilled before reaching the ice, **thus insuring the removal of all odors from the provision chamber.** If the warm, impure air is not taken from the provision chamber there is no circulation. **How can this be done if the air is chilled before entering the ice chamber?**

It is the only Refrigerator with **flues that do not have to be removed to be cleaned,** and which offer no obstruction to the circulation of air, and which help to preserve the ice by making an extra lid or cover for the ice chamber.

It is the only Refrigerator with an **Ice Rack that will not sag** or bend, forming hollows in the metal top; these hollows hold the water from the melted ice and so help melt the ice itself. The Ice Rack of the "Wisconsin Peerless" is formed of **Galvanized Steel Beams** which cannot bend or break with any ordinary usage.

It is the only Refrigerator discharging the drip water from the ice **at the front,** and outside of the Refrigerator. **By the use of our new trap the pan for drip water can be placed in plain sight at front of Refrigerator and all danger of overflowing drip pan is avoided.**

It is the only Refrigerator that has no Elm or other inferior wood used in its construction.



THE arrows in the above cut indicate the direction of the air currents. The top flue forms an inner cover or lid to the ice chamber, and assists to preserve the ice. The side flues are swung by open hinges at front and back and can be swung in or entirely removed to be cleansed as desired; the swinging arrangement is especially desirable in sizes where the ice chamber opens in front, as all that is necessary to be done is to simply raise the flue and wipe off the surface. Notice that there is not an inch of the entire flue system of the "WISCONSIN PEERLESS" but can be cleaned readily of all impurities.

"WISCONSIN PEERLESS" REFRIGERATORS

Possess more talking points than all other makes combined.

THEY ARE THE EASIEST TO SELL,

because the best. Every one sold means a friend gained.

Made on honor and guaranteed absolutely.

Why Not Have a Catalogue for 1895?

The Wisconsin Refrigerator Company,

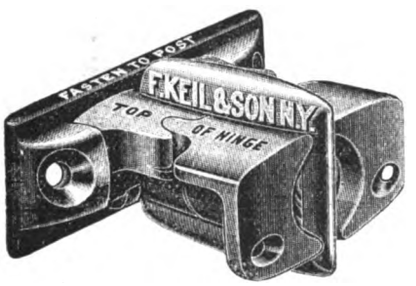
Eau Claire, Wis., U. S. A.

New York Office:
83 Chambers Street.

New England Office:
175 Hanover Street, Boston, Mass.

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Buy The "Superior" House Gate Hinge.



IT HAS NO EQUAL.

Sample model gate with first order for one dozen of these hinges.

MANUFACTURED BY

FRANCIS KEIL & SON,

New York, U. S. A.

HEADQUARTERS

FOR

Union Hardware Co.'s Skates.

Flexible Sleds and Flyers.

H. & R. Forehand Revolvers.

SWEATERS.

General Sporting Goods.

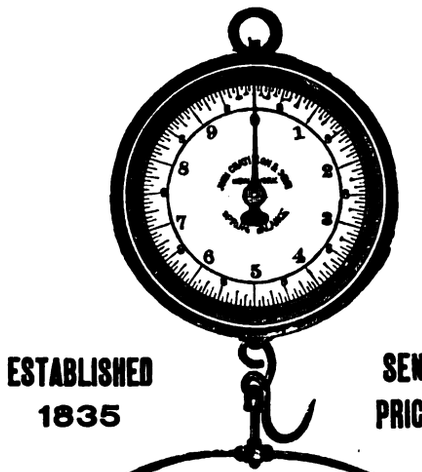
EDW. K. TRYON, JR., & CO.,

PHILADELPHIA.

Send for Catalogue.

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

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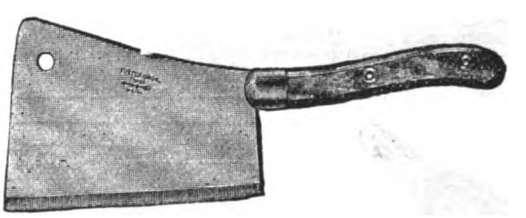
MANUFACTURERS OF

SCALES

—AND—

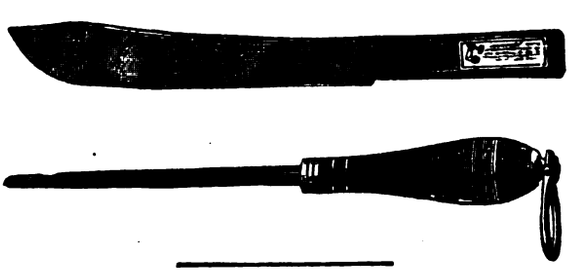
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



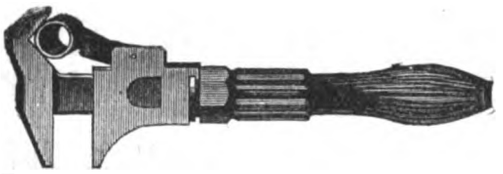
JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

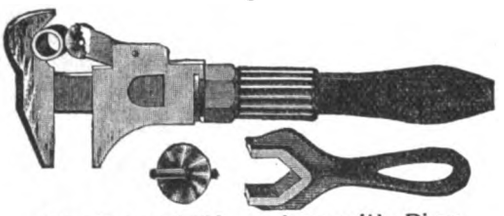
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Champion Screw Drivers (Machinists').

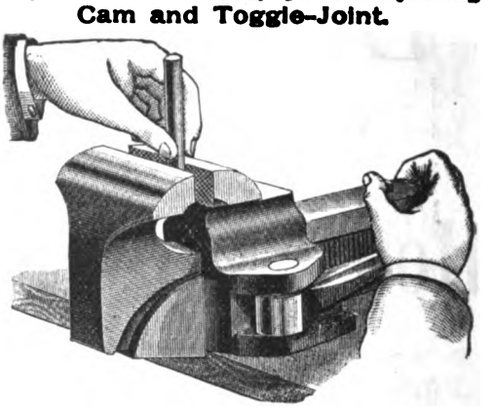


Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

CHAPLIN'S PAT. PLANES.
CHALLENGE PLANES.
EXCELSIOR EXPANSIVE BITS.
WOOD'S PAT. EXTENSION LEVELS.

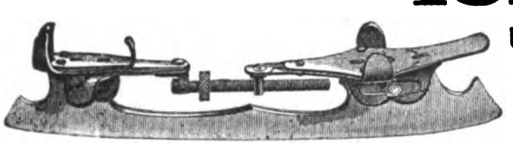
FINE TOOLS, POLICE EQUIPMENTS,

PADLOCKS, ETC.

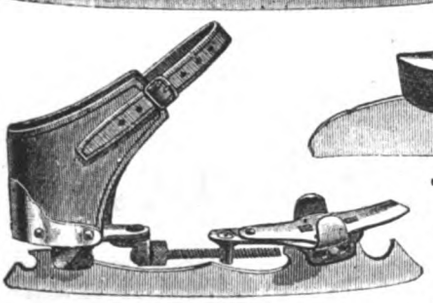
MANUFACTURED BY **TOWER & LYON,**

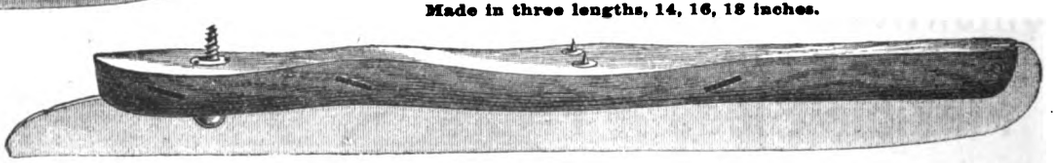
95 Chambers & 77 Reade Sts., - NEW YORK.

ICE SKATES.



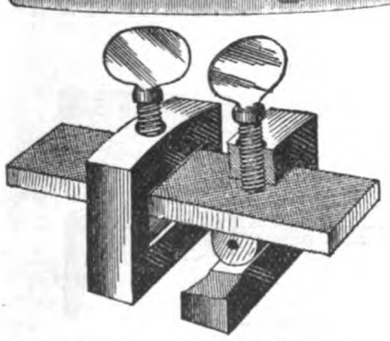
UNION HARDWARE CO.'S RACING SKATE
CALLED THE
DONOCHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.





The Union Skate Sharpener

A New and Useful Article
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine shop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

—MANUFACTURED BY—

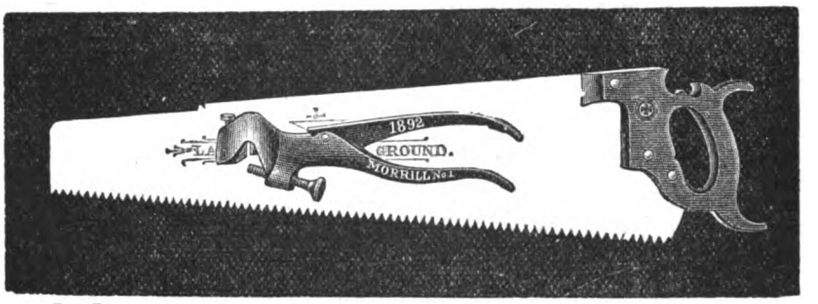
UNION HARDWARE CO.,

NEW YORK OFFICE in charge of TOWER & LYON. TORRINGTON. CONN.

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MORRILL'S PERFECT Saw Sets.

BENCH
Universal
CAR
AND WAGON



STOPS.
Punches.
SEALERS
JACKS.

CHARLES MORRILL, 35 WARREN STREET NEW YORK.

GEO. N. CLEMSON, Pres. LOUIS DUHME Vice-Pres ROBERT J. JOHNSON, Treas. F. B. EARLE, Sec

THE NATIONAL SAW CO.,

OPERATING

Wheeler, Madden & Clemson Mfg. Co., Middletown, N. Y. Woodrough & McParlin, Cincinnati, O. Woodrough & Clemson, Boston, Mass. Monhagen Steel Works, Middletown, N. Y. Richardson Brothers, Newark, N. J. Harvey W. Peace Co., Brooklyn, N. Y. Pennsylvania Saw Co., Philadelphia, Pa.

GENERAL OFFICE,
NEWARK, N. J.

SAWS

E. C. ATKINS & CO., Indianapolis, Ind.

BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

—MANUFACTURERS OF—

CIRCULAR, BAND, GANG, CROSS CUT, HAND SAWS AND TOOLS.

The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



— A FULL LINE OF —

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.

Write for Catalogue and Prices.

Truss Bottomed FLAX FIBER Pails

Overcome all objections. They are not clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They are strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the truss bottom holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him free, express charges prepaid, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—¾	⅜—1¼	1¼—2	2 —3
Roundiron	¾—¾	½—1	¾—1⅜	1⅜—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

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WARRANTED FILES AND RASPS.

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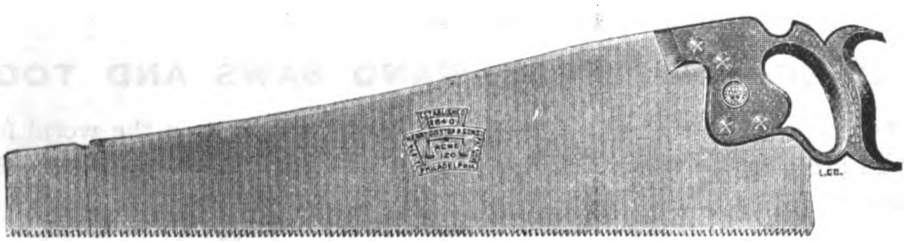
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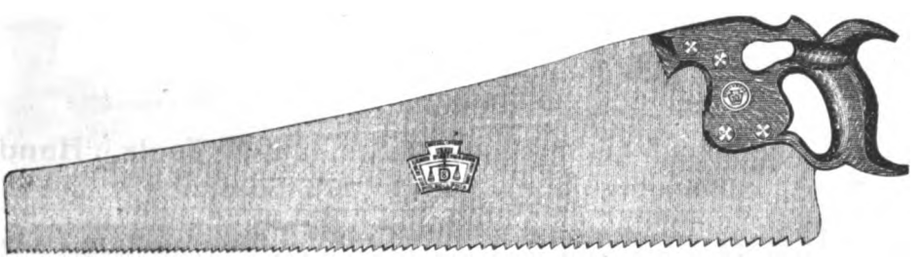
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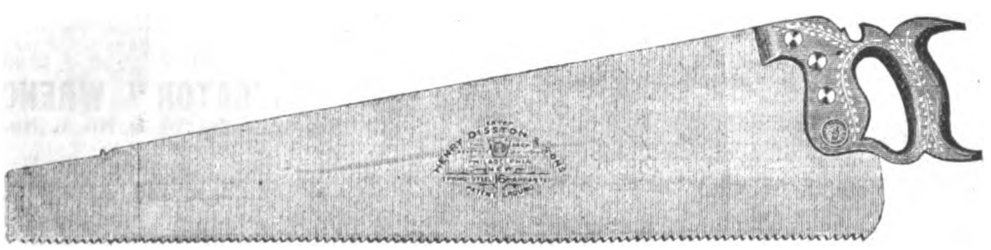


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Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



DISSTON'S SKEW BACK D 8 HAND SAW.



DISSTON'S No. 16 CAST-STEEL HAND SAW.

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(INCORPORATED.)

Keystone Saw, Tool, Steel and File Works,

PHILADELPHIA, PA.

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NOTE.

"The Saw, How to Choose It and How to Keep It in Order," mailed free.

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Watchmakers,
Silversmiths,
Fine Tool Makers.
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PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
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In all shapes,
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This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

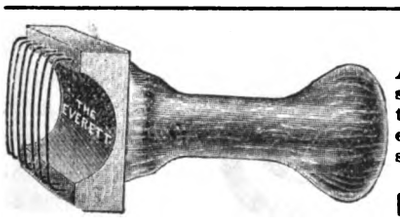
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THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM,
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EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock. Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

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Everett Specialty Co., Boston, Mass.



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THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

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Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

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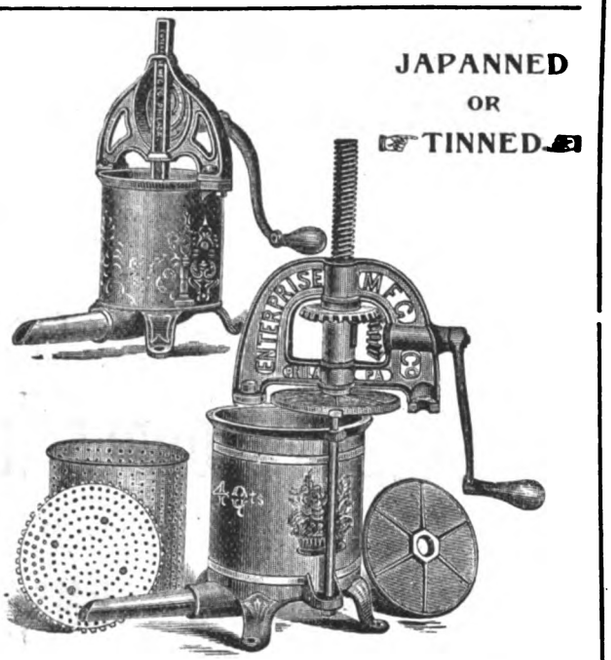
contributes to success, without faith you will be blind to good results.

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HARDWARE.

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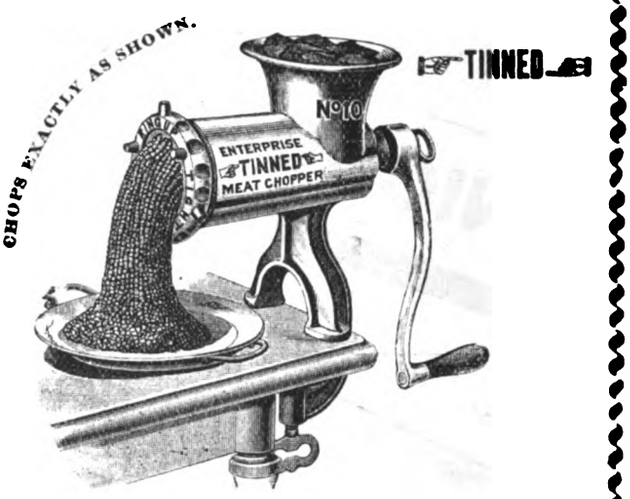
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8 Styles, 3 Sizes, 2, 4 & 8 Qts.

We make the "ENTERPRISE" MEAT CHOPPERS for Hand and Power in 16 Sizes Ranging in Price from $2.00 to $275.00.



Family Size, No. 10, - $3.00.

THE ENTERPRISE M'F'G CO. of PA.,
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Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

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Varnish Makers
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Color Grinders,
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WATERBURY BRASS CO.,
296 Broadway, New York.
Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.
—:—PERCUSSION CAPS OF ALL KINDS.—:—
HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.
TAPE MEASURES.
EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

We offer no old style stock.

We warrant our goods against

Reasonable Damage.

THE SAM'L. WINSLOW SKATE M'F'G. CO.
ICE AND ROLLER
SKATES
WORCESTER, MASS.

EVERY PAIR OF OUR ICE SKATES IS

Put up in a Pasteboard Box.

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HARDWARE

VOL. X. JANUARY 25, 1895. NO. 8.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
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Subscription, - $1.00 per year.
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THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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Colonel Cockerill has discovered a new maxim in business philosophy by declaring that "It is oxide of *irony* to call a man a *rusty* cuss."

There is upon the bulletin board of the New York Hardware Club an announcement that the membership has already reached a total of 527 members. Contrast this figure with the modest beginning of three years ago, and one has a demonstration of what the Hardwaremen of New York can do when they set out upon a given task.

No Hardwareman of New York or vicinity who desires to keep in touch with the trade, and to aid in strengthening existing fraternal bonds, should fail to secure a seat at the Annual Dinner of 1895. The subscription lists are now open, and a note addressed to Chairman Clinch at his place of business, or at the Hardware Club, will be the means of securing to you not only an evening of pleasure, but also the consciousness that you have had part in an event that is of material service to the Hardware fraternity in more ways than one.

Our Hardware friends in Philadelphia have saluted the New Year with an annual election and banquet, and the friends who were bidden to sit down with them a few evenings since are filled to the very heart with appreciation of Quaker City hospitality. The association responsible for this gathering has learned by experience how things ought to be done; and when a stranger from afar is signalled to come unto them, he straightway, if a wise man, girds up his loins and takes the first limited express in that direction. We make use of some space to-day in reporting that gathering, but do not feel moved to apologize for so doing.

This is the month of trade dinners—that festive and pleasant season of the year when business men forget all except the social side of humanity, and collectively place their feet beneath the boards, in amity and good will with all the world. It is pleasant that, amid the selfish promptings and personal demands of business life, such seasons of reunion and fraternity are possible. They do not merely feast the body and soul of man, while he is a partaker of the good things they provide through *menu* and programme of speech and song. They last through all the year, and the fraternal bonds they knit are felt in pleasant drawings of men toward each other, all along the months that follow. Hail, then, to each of these successive gatherings! May they multiply in number and increase in their good uses with each year that passes.

The first month of 1895 has seen the bicycle men from all parts of the country moving in force upon Chicago and New York. The Shows which have been seen in these two cities are events that deserve far greater recognition from the daily press and the public than has been accorded them. They were not the mere gatherings of a host of riders, who set out, for prize money, to show their personal endurance, or the skill with which they could manipulate their two-wheeled steeds. The scope and purposes of their gatherings were of a far higher nature. Within these two exhibitions have been gathered the material evidences of a most remarkable mechanical advance—one of the most remarkable America has ever seen. The Bicycle industry of America is a thing of recent growth. A few years ago it hardly existed—to-day its capital is far into the millions; its army of employees number hundreds of thousands; its products are found, in countless numbers, scattered all over the face of the globe. These Shows have indeed been object lessons of remarkable force and power.

The student of the tariff may find food for reflection in a statement taken from an English exchange, in regard to the recent change in duties upon this side of the sea. "The returns," it says, "relating to the exports of steel and cutlery from Sheffield to the United States for the quarter just ended, indicate the extent to which the city has benefited by the reform of the tariff. The total of the exports shows that the quarter has been the best for five years, and that there has been a steady but continuous improvement since the new tariff came into operation on August 1st. During the earlier part of the year trade with the United States was practically suspended owing to the uncertainty as to the fate of the Wilson Bill. The present state of trade still falls lamentably short of what it used to be from ten to twenty years ago, *but every indication goes to prove that the*

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Sheffield cutlers have by no means obtained the full benefit of the reduction of the tariff, and that their trade will continue to improve as the internal trade of the United States expands, which it is now doing. The exports of cutlery during the quarter amounted to £49,502, against £6,518 in the quarter ending June. Steel exports last year amounted to £69,670, or more than double the figures of the first quarter of the year. The total exports of all kinds from the Sheffield consular district last year amounted to £386,344 18s. 1d., being an increase of £12,000 on the year." The italics are our own; the promise of growth at the evident expense of American manufacturers is purely English.

A dainty and highly artistic monograph in pamphlet form, entitled "A Damascus Blade," has been prepared for distribution by Landers, Frary & Clark, New Britain, Conn., and New York. The pamphlet gives a history of steel and sword-making in mediæval times, as followed in Damascus, Toledo, Milan and Ferrara. It is claimed that Count Anossoff, Master of the Fabric of Arms, at Zlatoust, Siberia, after much study and many experiments, "has succeeded finally in reproducing Damascus steel of the original quality." Landers, Frary & Clark have secured a supply of this material, and have fashioned it into sets of Carvers, mounted in stag and ivory.

The Ausable Horse Nail Co., New York, have issued a handsome wall placard with calendar for 1895. It is printed in bright colors, and shows a shady country road with the "spreading chestnut tree" of Longfellow, under which "the village smithy stands." The smith is attaching the Ausable Horse Nails where they will do the most good. The various sizes of these goods are illustrated. The placard is one that will attract attention and assist in the sale of these goods when shown in the store or shop of any dealer handling them.

Underhill, Clinch & Co., No. 94 Chambers Street, N, Y., are agents for the Snell Mfg. Co., Fiskdale, Mass., for New York and nearby trade, and will carry a full assortment of goods manufactured by the company. These relations will not affect John H. Graham & Co., No. 113 Chambers Street, as they will still continue to act as agents for the Snell Mfg. Co.

The Troy Nickel Works, Troy, N. Y., are surprising their friends by the presentation of a genuine dimeandpin, as a reminder of the holiday season. The one that has reached the office of HARDWARE is the "real goods," of the vintage of 1888, and is preserved as a memento of a company that although "always cold," never gets left.

At the annual election of the Auburn Stove Foundry Co., in Lewiston, Me., January 11th, the following officers were elected: H. Wesley Hutchins, president; T. H. Roberts, clerk and treasurer. Directors, H. Wesley Hutchins, A. L. Goss, H. Fairfield, Dr. E. S. Coan, S. Record, George M. Briggs and George W. McFadden.

M. H. Tarbox, vice-president of the Boston & Lockport Block Co., speaking of business prospects, said: "Our business seems to be reviving to a certain extent, and our December business was quite a marked increase over December of '93."

The Syracuse Twist Drill Co., Syracuse, N. Y., are sending their friends a handsome and convenient little calendar, suitable for wall or desk, and finished in an artistic manner. They will be pleased to send these to any, upon application.

Canadian Hardwaremen.

The annual meeting of the Montreal Metal and Hardware Association took place January 10th, in the Board of Trade Building, Montreal. James Crathern presided. The president submitted the report of the past year, and it was adopted. It will be printed in the annual report of the Council of the Board of Trade. Customs duties and freight rates were discussed, but these matters were left to the consideration of the new Board. The election of officers resulted as follows: James Crathern, president; Thomas J. Drummond, vice-president; J. B. Learmont, treasurer; F. Fairman, James Phymester, William Macmaster and A. C. Leslie, directors. G. A. Irwin will continue to act as secretary.

The following gears were used by the leading Class B men, during the past racing season: Sanger, 76; Johnson, 72; Taxis, 72; Tyler, 74; Bliss, 68; Titus, 74; Miller, 72; Maddox, 72; McDuffie, 68; L. C. Johnson, 70; L. Callahan, 70; C. H. Callahan, 72; Allen, 72; Lumsden, 70; Githens, 72; E. C. Johnson, 70; Taylor, 68; Church, 72; Sims, 72; Cooper, 70; Cabanne, 70; Brown, 72; W. F. Murphy, 70; C. M. Murphy, 72; MacDonald, 72; Bald, 72; Kennedy, 72; Goehler, 72.

W. S. Maltby, the world-renowned exhibition cyclist, has returned from the Cycle Show at Chicago, after a most successful trip of the Northwest and Pacific Coast, in the interest of the Keating Wheel Co. While on this trip, he gave exhibitions in most of the cities, which helped wonderfully to show up the strength and riding qualities of the "Keating" and to book handsome orders for same. Mr. Maltby is exhibiting at the New York Cycle Show.

The Treasury Department has been notified that the board of general appraisers have advanced the invoice of a consignment of cycle tubes from the Mannessman Tube Co., limited, of Laviclove. These tubes were of the best quality, all stiff. They were entered at the combined discount of 75 per cent., 2½ per cent. and 5 per cent. The appraisers have advanced this discount to 75 per cent. and 2½ per cent.

The Gurney Refrigerator Co., Fond du Lac, Wis., in order to accommodate their large business in New York, Brooklyn and New Jersey, have established a branch office in the Pierce Building, on the corner of Hudson and Franklin Streets, New York.

The '95 calendar of the Boston & Lockport Block Co., Boston, Mass., and Lockport, N. Y., is a handsome creation. A fine engraving shows the United States battleship *Oregon*, which is fully described on the calendar.

Psalm of Advertising.

Tell me not in a sneering manner
  Advertising does not pay;
Rich are they who fling their banners
  Boldest to the world to-day.

Advertising done in earnest,
  Done with wisdom, heart and soul,
With determination sternest,
  Always brings the wished-for goal.

Lives of many men remind us
  We to great success can climb,
If the reading public find us
  Advertising all the time;

Advertising with persistent
  Energy to spread our fame,
Ever honest and consistent
  In performing what we claim.

In the world's commercial battle,
  In the rivalry of trade,
We must hustle, shout and rattle
  Ere impressions can be made.

—*Lewistown (Ill.) Democrat.*

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Hardware in Boston Fifty Years Ago.

In the issue of HARDWARE last preceding, mention was made of the fact that Allen & Noble, Boston, had completed fifty continuous active years in the Hardware business. By our special request William Noble, of this firm, has set down some notes of the business of fifty years and his connection therewith, which are here given:

EDITOR HARDWARE: I entered the Hardware store of Alexander H. Twombly & Co., No. 4 Union Street, in 1832, as a clerk, at $50 per year (which was the regular pay of boys at that time), with $25 advance each year, and have not been out of clerkship or proprietorship since that time. The clerk did most of the work in the store, and we opened early in the morning and closed at nine o'clock P. M. The goods were mostly imported, orders being sent spring and fall, and some three months were required to have them received. Sheffield and Birmingham were the principal cities of supply. Most of the goods were shipped in casks and usually in good condition and on four months' time. Invoices were made out in pounds, shillings and pence. As I remember the duty was 30 per cent. I yet see the Sheffield cask, with large hoops, and the Birmingham cask of a smaller size. How we boys liked to open the cask! I can smell the English straw at this day. As years went on home manufactures came into the market. It was hard work to get the merchants to purchase the home goods. The imported goods paid better profit, the selling price being three for one on cost. If the cost was £1, the sale was for £3, which would pay a good profit after paying the thirty per cent. duty. At this time but little is imported, home goods having the field quite largely.

The wholesale trade of Boston was largely in Maine, New Hampshire and Vermont. In 1832 the goods were forwarded by large four and six-horse covered wagons, many of them bringing down the products of the country merchant coming to the city in spring and fall for purchasing goods. Goods for Maine we sent by sailing vessels largely; the merchants came by steamer. New Hampshire and Vermont came by the large wagons. As time went on changes took place, the railroad doing the business largely. The Hardware stores were located on Union Street, Dock Square, Milk Street, Liberty Square and near-by streets. I do not remember of more than five Hardware merchants now living who were doing business fifty years ago, and only two in active life at this time. A very usual custom was to go to the hotel every morning to find who had arrived in the city. The old hotels were Wildes', New England, Franklin, Earl's, Commercial and Tremont. The long trucks, hand carts and light wagons were in use. Many of the clerks came to the store before breakfast and went home to dinner and supper regularly, most merchants and clerks living within easy distance of their stores.

What changes have come in fifty years!

> "Old times have fled; old manners gone,
> And strangers fill the Stuarts' throne!"

WILLIAM NOBLE.

Boston, January 15, 1895.

He Takes One Horn, Emphatically.

EDITOR HARDWARE: In connection with the question of "Which Horn of the Dilemma," I am with your view of the situation unquestionably.

It is really a storekeeper's province to keep on hand the goods his customers need. To fill his establishment with anything and everything every sanguine inventor (and they all possess that temperament) wished a market for, would soon compel the dealer to date his letters from the poorhouse.

If the manufacturer cannot impress upon the mind of the consumer, by the usual advertising methods of the pushing American, how extremely important it is for the said consumer to purchase at once "Smith's Quadruplex Hand-Saw, which combines in one tool (see small bills) the essential advantages of a Rip, Hand, Panel and Back Saw," so that the consumer at once makes a tour of all the tool stores in search of one, wondering why so wonderful an article wasn't already on the shelves of every dealer in town, it only shows that the manufacturer is a poor advertiser, and hasn't himself become sufficiently convinced of his saw's unqualified merit, so as to push it by judicious advertising. We are a nation of readers, even the poorest of us can afford to peruse a "penny" paper, if we have a chance to read it only at lunch hour, and if the "Rip Van Winkle" inventor, and the "Robinson Crusoe" manufacturer will not inform the possible purchaser how greatly he is handicapped in his daily work, by not possessing this invaluable "Quadruplex Saw," it surely, in these days of small profits, should not be made the duty of a storekeeper, with a thousand and one other things equally as meritorious in their respective lines, and equally as profitable, to become a manufacturer's missionary for the distribution of unknown products.

Let the manufacturer who sees the possible fortune, which deserves to follow an extended sale, do his continuous advertising through legitimate channels which reach the workers, and thus make it necessary from the resulting demand, that the dealer to be "in the swim" must add the "Quadruplex" to his inimitable assortment of labor-saving tools, or else deserve to be counted among the conservative cranks, who would rather do anything than be "up to date."

ONE WHO HAS BEEN THERE.

New York, January 18th, 1895.

A Hardware Scion.

There is a boy of ten years of age attending school in New York who, among his other possessions, has a father who is a prominent and respected member of the Hardware trade. The youngster was directed to condense his views of education into a brief essay, and the result speaks quite well for the insight and originality of thought in a boy of that age. Many a person of larger growth has found things that "don't agree" with him. This is the result of his deliberations:

MY STUDIES.

"I think that my favorite studies are Latin and French History. Latin never used to agree with me, but I do fairly well now, and don't have to 'materialize after school,' as I used to. I think the fun is puzzling, and finally getting the translation, besides finding the basis of so many of our words. I feel like a conqueror when I have got the hardest sentence and got through the lesson with a ten. I often don't feel like one though.

"French History is very nice, because it's interesting and full of accounts of battles, with the particulars, which make it interesting, but I think that it is one grand mixture of kings being dethroned and of taxes.

"German is nice enough, and French too, though the time seems long and drags along very slowly, and the German stories are, some of them, very interesting, but French is just 'What is George doing,' etc., and is not so interesting. Arithmetic is very interesting, and I like to get the examples by a certain routine of rules, but I always was dull in it, and I don't believe I'll get along as fast as the ordinary boy would. Mental arithmetic I don't like, and never did, but I don't mind writing at all. I rather like it, and the things we have to write are very interesting and full of information. I like spelling and dictation very much, because they come as second nature to me, because they were drilled into me by my teacher before I came here. I like to read, and my father has to stop me often."

HARDWARE costs only One Dollar a year.

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Further Building Information.

PEORIA, ILL.

Builders' Exchange: In reply to your favor I will say that the old Builders' Exchange is a thing of the past, but a few of the old members have got together and formed a new exchange, and their meeting place is now at No. 217 South Adams Street. As regards the building trade for the coming season, it is a little early yet to tell definitely what what will be done. There are a good many buildings talked of, and among those most likely to materialize are twelve to sixteen tenement houses by one party, and eight houses by another. Plans have already been prepared for two houses to be built on Perry Street by a Chicago architect. The new library, a building that will cost $150,000 to $200,000, is talked of, but up to this time no plans have been adopted for this building. The new city hall, a plan of which was adopted last fall, is one of the things that will probably be commenced this coming year. P. A. Weast contemplates putting up an office building on Jefferson Street, which will eclipse anything of the kind in this city. It is to be about ten storis high, and fire-proof throughout. The estimated cost is $200,000. There is some talk of putting up an opera house and hotel on the Rouse corner, by eastern capitalists. Should this scheme go through, it will represent an expenditure of something like $500,000. The scheme is a feasible one, and it will pay good interest on the investment, as it is one of the best corners in the city. In the manufacturing line, there are several industries that are figuring on locating here this spring, but nothing definite enough has been done to enable us to tell about what kind of buildings will be required. In regard to school-houses, I will say there will be built in Peoria the coming season three or more schools, one to take the place of the Cottage School, which will be a twelve-room building, to cost in the neighborhood of $40,000; one in Callender & Ayres addition on the Bluff, and one in the lower end of the city. Both of the latter will be eight-room buildings, which will cost about $20,000 each. There is a new High School needed, and as soon as the finances of the district will justify it, there will be erected a $100,000 high school in this city.

POOR IN SAN FRANCISCO.

Builders' Exchange: In answer to your letter of inquiry as to the prospects of building during the coming spring and summer, I would say that they are unusually poor, and not calculated to inspire any one with either hope or confidence. The combined action of the present national administration and the banking interests of this country and Europe, in their conspiracy to curtail the circulating medium of the country, in order to increase the purchasing power and value of the remainder, and thereby give them greater power through which to control the industry of the people, has so alarmed the thinking portion of them that they are afraid to enter, or continue to expand any branch of business where they have to depend upon the banks or money-lenders for assistance. All business of this city outside of the furnishing and retail of the necessaries, is practically dead. Then, too, we are in the grasp here of an octopus, in the shape of a railroad monopoly. We cannot manufacture anything, for which we have not a home demand, at a profit, for the reason that goods and wares can be shipped to points either within or without our State from either New York or Chicago to nearly all points from two hundred to three hundred miles distant from San Francisco, as cheap or cheaper than they can from San Francisco. Recent developments have convinced us that if our present government officials are not partners in interest in this monopoly, they at least are controlled by it, and we are not even asked "What are you going to do about it?"

WORD FROM OMAHA.

Builders' and Traders' Exchange: The prospects for the new year are not very flattering, but still I think they are brighter than last year. We are about to erect two new large theatres, and some other public buildings. Our Exchange has held its own in spite of the hard times, and expects to be found doing business at the old stand for some time to come. Our State has had a hard blow on account of the great drought, which affects this city on account of it being an agricultural State, instead of a manufacturing one, but we will pull through all right.

KANSAS CITY, MO.

Builders' and Traders' Exchange: The building business in Kansas City is picking up. There will be several business blocks put up in the business portion of our city in a short time, and also many residences. The building business has been better this winter than it has been for two years in this part of the country.

CINCINNATI.

Builders' Exchange: In regard to building prospects, they are much more favorable than in January 1894; more plans in the architects' hands, and contracts are being let much earlier than then. There appears to be more confidence among capitalists than last year.

"See That Curve?"

A poetic admirer of the Keating Bicycles has poetically embalmed his views and affections in the following:

The curve is the "line of beauty,"
All artists inform us 'tis true;
But the curve of the unmatched Keating,
Is of strength and beauty, too.

Mathematical curves were a bother
To every one of us once,
And made every mother's son of us
Think he was surely a dunce.

The problem of life is "dead easy,"
If one only "gets onto the curves"
Of the world and the people in it.
I am sure if one closely observes,

Whether it be in a ball game,
Into politics, business, or whist,
"Get onto the curves" of your rivals
And you'll see your name heading the list.

But of all the "curves you get onto,"
Not one your purpose will serve
To send you any faster
Than the '95 Keating Curve. C. A. S.

Fire in Bolt Works.

A fire caused by an oil furnace broke out in the eaves of the new factory building of the Pennsylvania Bolt & Nut Co., in Lebanon, Pa., on January 4th. The company's fire department was promptly called out, and soon had the flames under control. For a time things looked serious for the office, and the numerous clerks soon had books and papers safely stored in the vault, but fortunately the damage was confined entirely to the building where the fire started.

The building is entirely of frame, the roof raised in the centre longitudinally. The principal damage was done to the roof and rafters, and some of the shafting and belting. The nut and bolt machines escaped unhurt. The property is fully insured.

The American Tool & Machine Co., of Boston, have removed their plant to a more suitable building at No. 302 Federal Street. The company have reorganized, and many changes have been made. M. H. Barker has been made general manager, and M. M. Whipple, assistant general manager. W. O. Lincoln remains as treasurer.

The Baxter Stove Co., of Mansfield, Ohio, at the annual meeting elected a board of directors for the ensuing year as follows: J. L. Baxter, J. M. Baxter, E. C. Baxter, E. D. Baxter and B. A. Baxter. The board elected J. L. Baxter president; E. C. Baxter, secretary and treasurer, and E. D. Baxter, superintendent.

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Porter to Partnership.—V.

To go from Ohio to New York thirty-five years ago was not quite such an everyday affair as it is to-day. We all travel to-day as if to be on the go continually was the natural end and aim of our existence. Among others of my hopes and dreams the one of some day seeing New York was gladly cherished, but I supposed it would be a great many years before the hope would be realized, and now it was here.

We went through the stock, making notes of goods running low or that were sold out, and after doing this in the order we reached the goods, we then drew the memorandum into another book, this time putting each article under the head where it belonged, so that it could be seen at a glance what was wanted in each line. Then Mr. Ely gave me a list of the houses he had ever bought of and of other houses of whom he had a favorable impression, but he emphasized the remark that he expected me to get the goods I bought at the bottom rates, and I was to buy where goods were cheapest without regard to any names he gave me. When all this was done I was given fifty dollars in cash and a draft on New York for one hundred and fifty, and I was ready to start off on what was to me a very wonderful journey.

If I had but some one for a companion, I thought, I would be perfectly happy, and when I reached the depot I looked anxiously around to see if anyone had a valise in their hands as if they were going on a long journey, but I could see no one but a man from Germantown, and I imagined they always carried a valise if they were but going to the next station; still I asked him where he was bound.

"Well, Marks, I pe goin' down to New York," was the unexpected answer.

"You are? So am I," I said, delighted.

"Pully, dat ish goot; we will go togedder."

My German friend was the leading man in the settlement, and reputed to be very wealthy. He had put up a saw mill and made many valuable improvements there, and I now remember to have heard that ten or fifteen German families were coming from the old country, and I concluded he was going to meet them as he had done with others. He had always been a good customer of Mr. Ely's, and he and I were on excellent terms.

The cars came and rattled away with us on board. The first hour of our ride was through country I was familiar with, so I paid more attention to my fellow travelers than to the scenery out of doors. Mr. Fischer went off to the smoking car, and though the car was pretty well crowded I had a whole seat to myself. At the first station of any size more people came in the car than went out, and a quiet, respectable looking old gentleman took the vacant seat beside me.

He was an extraordinarily modest old fellow, and looked as if one were doing him a favor merely to speak to him. I found that he was well acquainted with the towns we were passing through, their population and business, and yet he told me he lived in a large city at the eastern terminus of the road. We chatted away sociably, or rather I did, for he merely answered the questions I asked him, and in his company I passed away an hour. He left me at the next city stop we made, and when the conductor again came around I asked him who the man was I had been talking with, for I had noticed he and the conductor were acquainted.

"The old gentleman that just got off?" he asked.

"Yes."

"That's the President of this road."

I made up my mind I would be a little cautious with strangers hereafter, or I might get into trouble.

After Fischer had smoked about five hours he came in the cars with his face in a broad grin.

"Well, Marks, I had some fun."

"Did you? What was it?"

"I had some fun with the gamplers."

"Gamblers, on the cars?"

"Yah, on de gars. I know'd dey was gamplers right off, and dey dhry to dake one fellow in; one man says here you got de leetle yoker, und I pet you fife dollars you don't know him. Und dinks I, my fine fellows, I will gatch you, so I says here's fife dollars und dere is de yoker. Und py golly when he turn him up he was not the leetle yoker at all, but anoder fellow. Ha, ha!"

"You seem to feel good over it," said I.

"Feel goot? So I do; what's else? Shall I gry? No; I pets und loses, you don't got no more leetle yokers ofer me."

When evening came the cars were not quite so full of people, and we turned over the seat in front of us and fixed ourselves for the night. I have no idea how much I slept that night, but my impression was that I slept none at all. The starting and stopping of the cars, the calling out of stations, and the strangeness of the whole thing kept me awake, though Fischer snored beside me as if he was as comfortable as man could be.

When he awoke in the morning he began an inventory of his effects to see if he was all there; everything seemed all right, valise, basket, hat, shoes, necktie, watch, and then he felt for his pocketbook.

"Where ish my money?"

"Isn't it in your pocket?"

"No; my money ish gone; where ish my money?"

I said I knew nothing about his money; but he began pulling the bundles around and talked loud enough to rouse the whole car. Several men came over to us and looked at me as if saying I had the money. I tried to get some facts from Fischer, but he was almost wild with excitement, and would say in answer to every question "where ish my money?"

At last one man found it between the cushion on the bottom of the seat and the back; it had evidently fallen out of Fischer's pocket and worked down into this crack. I think I was as much relieved as he was, and his face brightened all over as he remarked: "I know'd it was somewheres; I will dake a goot schmoke."

A report comes from Taunton, Mass., showing that the industrial situation in that section is quite satisfactory. At the O. G. Thomas Foundry the employees are working on nearly full time, and business reported good. The repairs and alterations to the mounting and warerooms are nearly completed, and the former department has been enlarged by the addition of another story. The Weir Stove Co. are working full time, although few men have been let go. The employees in the Taunton Iron Works are still working but four days a week. An error in calculation in the repairing of the engine and accessories at the Copper Works has prevented the employees of the wire mill from going to work as soon as they expected, but the other employees are working nearly full time. The various stove lining manufactories are working on regular winter time. The Taunton Nickel-Plating Co. and the Taunton Crucible Co. are doing a good business, and the Cohannet Mills are running steadily.

The State Department is informed that under the new Ecuador tariff, which took effect January 1st, plows, ploughshares, picks, hoes, rakes, weed hooks and mattocks are to be reduced from two cents to one cent per kilogram. Cartridge shells will be lowered from two sucres to fifty cents per kilogram, and shot from two sucres to twenty-five cents per kilogram.

The 1895 calendar issued by the National Saw Co., Newark, N. J., is very attractive in appearance. The scene represented shows two sturdy lumbermen sawing a huge tree, with one of the company's famous cross-cut saws.

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The Nicholson File Co.'s New Catalogue.

The Nicholson File Co., Providence, R. I., have issued a catalogue of their well-known products, which, aside from its value in presenting a line of goods famous the world over, is an artistic adornment to any office which may be fortunate enough to possess it. It is an art folio, rather than a catalogue, measuring 12x15 inches in size, bound in very heavy flexible boards, of a dark green color, with gilt edges, and bearing in heavy silver letters the words "Nicholson File Co., Providence, R. I., U. S. A." It is printed upon the heaviest calendered paper and is illustrated upon every page. The works of the company, both in Providence and Pawtucket, are shown upon the frontispiece, in handsome half-tone. Upon the opposite page are a group of sketches, showing the main office, president's office, the drawing room, library, treasurer's office, laboratory, experimental department and directors' room. Other illustrations scattered throughout the book show their handsome World's Fair exhibit in Chicago in 1893, which contained over three thousand varieties of files and rasps; a page in colors, showing the Nicholson boxes and labels; views of their factories, from various points of the compass; interior views showing their departments devoted to forging, clipping and press-forging, grinding, grindstone storage warehouse; illustrations of the old method of forging and cutting files by hand; their machine file cutting; their testing, inspecting and stamping departments; the making of file boxes; the packing, shipping and stock rooms; the general store room, etc., etc. The remainder of the book is devoted to a series of illustrations of their sections of file steel, Increment Cut files and rasps, X F Files, Manicure files, tools and specialties, file handles, etc., etc. At the end of the book we find a price list of Increment Cut files, and also of their X F files and miscellaneous goods. In speaking of these illustrations the company say that they are "intended to place before users and dealers a comprehensive display of the kinds of files now in use. Our aim has been to make all representations so accurate as to enable selections to be made as nearly as possible as if the files themselves were presented. The number of teeth shown is practically correct for the lengths of files illustrated. It will, of course, be understood that longer files of the same cut will have fewer teeth, and shorter files more teeth to the inch. The two pages of sections following embrace all the shapes in general use, and are carefully drawn to standard sizes." On page 25 is found a brief statement of their facilities, concerning which they say: "The facilities which the Nicholson File Co. possess for manufacturing files of every description and in any quantity are unequaled. It was the aim of the founder of this company to create a plant adequately equipped to meet any requisition for any file at any time, and the fact that we have for years past met all demands for files of any section, length, and number of teeth, shows that this aim was long since realized. Its extensive buildings were designed especially for this business, and constitute of themselves no small factor in promoting a high quality of product. Add to this the special machinery and systems of operation which represent the researches and inventions of the late Mr. Nicholson, and the adaptation to the uses of this company of all that was found of value in the machinery of four separate file companies, which was acquired by purchase, and we have a plant unapproached in the history of file making. This company's three factories, although separate, are under one management, and so systematized as to take advantage of every facility for reducing cost and improving quality."

Upon page 6 will be found a faithful and artistic portrait of William Thomas Nicholson, the founder of the Nicholson File Co., who contributed so greatly to the successful development of the machine file-making industry. This is accompanied by a brief biographical sketch of Mr. Nicholson, in which it is stated that he early manifested that love for mechanics which he was to afterwards put to such practical use. Previous to the civil war he engaged in the machine tool business, and it was while operating a machine-shop of his own that he developed his ideas on machine file making, and built his first file-cutting machinery. Believing that he could hope to make a success only by fully understanding the details of the business as it then existed, he devoted himself to the study of file-making in all its branches, carrying his investigations to Europe, which at that time supplied the greater number of files used in America, and where he spent considerable time investigating this and kindred industries, especially the manufacture and treatment of steel. In 1864 the Nicholson File Co. was incorporated, and proceeded at once to erect a plant at Providence, R. I. After many years of labor, and in the face of many discouragements, Mr. Nicholson found his business established upon a solid foundation, growing in size, and increasing its facilities. At a later date the manufacture of fine files for jewelers, watch-makers, and the finest work was added, and at the time of his death, in October, 1893, Mr. Nicholson had seen the original capacity of the company's works at Providence increase from a small beginning to over three thousand dozen files per day. In 1890 the Nicholson File Co. acquired the valuable plant for many years known as the American File Co., located at Pawtucket, R. I., about four miles from the principal factories. These works since coming into the possession of this company have been operated in manufacturing the "American" brand of files, and have a capacity of upward of 1200 dozen files per day. The products of the Nicholson File Co. have now a world-wide reputation; and when it is understood that they manufacture at their Providence factories alone over three thousand different kinds of standard files, and that each file is handled many times during its manufacture, some conception of the great detail of this business can be formed, and of the varied and complicated machinery necessary for economical production, as well as the credit due Mr. Nicholson for the persistency and inventive genius displayed in developing this industry. Mr. Nicholson has been succeeded by his son Samuel M. Nicholson, as president and general manager. Arthur H. Watson is vice-president, and George Nicholson treasurer. In a note concerning the company and its past, we find this promise for the future: "With the past before them, the present management propose to continue to merit the prefence accorded only after much hard work and struggling, and which once attained, has never departed from the Nicholson Increment Cut Files."

There is a nail foundry in Williamsburgh where the bellows under the forges are worked by five big mongrel dogs, who labor regularly a little more than an hour and a half each day. The dogs answer to the names of Joe, Peter, Rover, Jack, and George, and feed and sleep in the foundry. The animals tread inside a wheel eight feet in diameter, and when the time of one is up another takes his place, and for eight hours a day the wheel and bellows are kept going at the rate of about four miles an hour. In another foundry three dogs named Spot, Check, and Harness, work the bellows.—*New York Sun.*

The New England Pin Co., at Winsted, Conn., have placed a contract for the bridge connecting the two departments of their works with the Berlin Iron Bridge Co., of East Berlin, Conn.

Saturday, December 22, 1894, the Cortland Foundry & Machine Co. was organized, with a capital stock of $15,000. The future of Cortland as a manufacturing city is very bright.

The G. H. Grimm Mfg. Co., of Rutland, Vt., is running day and night to complete orders for 50,000 sap pails.

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The Columbias and 1895.

The Pope Mfg. Co., Hartford, Conn., Boston and New York, have, as usual, ranged up in the front line with their Bicycle announcements for 1895. It is needless to say anything in regard to the quality of the Columbia wheels, or the great company by which they are produced—both are known wherever a rubber tire touches the earth, or a pedal is pushed by the foot of a cycler. The products for 1895 are in all respects held up to the former high line of advancement and development, and we are permitted herewith to illustrate and describe some leading features thereof. In presenting these wheels to the Hardware trade, the company say:

"Good and satisfactory as Columbias have been in the past, they are far better and more satisfactory in 1895—models of lightness, strength, and graceful construction, beautiful in design and finish, and embodying improvements that will captivate every lover of bicycling. Our action in the fall of 1894, whereby the standard price of Columbias, and therefore the highest limit of price for any bicycle, has been placed at $100, was prompted by the belief that the public should reap the benefit of the great improvements in processes of manufacture and by the certainty that at this price few buyers would consider a substitute for known Columbia excellence. Another step toward more fully meeting the needs of the public is the offering by us this year of the Hartford Cycle Co.'s product, lower-priced bicycles that have won an enviable place among all rivals. The Hartford Cycle Co. is owned and directed by us, and we can fully and understandingly recommend all machines of its make. Our entire line of Columbias and Hartfords is new in design and construction for this season's requirements. All our bicycles are sold at fixed prices and under our guarantee, and in buying them you have the double assurance that no one buys cheaper than you do and that nowhere else can you get higher quality or better value for the price you pay."

The following are some of their wheels, with explanation and description which the makers have kindly furnished:



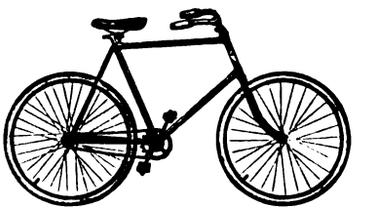
MODEL 40.

This is the finest example of light and high grade bicycle construction ever put out for the general use of the great riding public. It is made with three heights of frame, 25, 23 and 20 inches, for riders whose leg measurement to the floor is respectively 34, 32 and 29 inches and upward. Columbia nickel-steel rubber tubing. Gear, 63, 66, or 70. Columbia rat trap or rubber pedals. Adjustable handle bar. Weight, 21½ pounds.



MODEL 41.

Every appropriate feature of our splendid new men's machine has been introduced in this most graceful wheel for ladies' use. No ladies' bicycle will be found more fully equipped or more safe and comfortable. It is fitted with guards, rubber pedals, foot rests, and brake work, or it can be stripped to correspond to Model 40. Weight, as shown above, 21½ pounds.



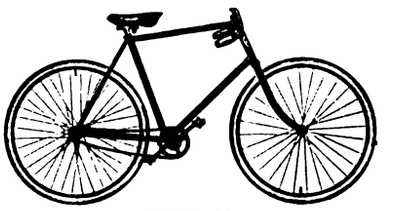
MODEL 42.

This machine is especially intended for the large number of riders among the gentler sex who prefer to use the rational or knickerbocker costume and ride the diamond frame safety, which, for the same degree of strength, can be made lighter than the loop-frame machine. Model 42 is equipped with 26-inch wheels, and is without question the most elegant bicycle of its class in the world. Weight, 19½ pounds.



MODEL 43.

Our new and very light Tandem embraces the best accepted ideas in bicycle construction. The new Columbia nickel-steel tubing gives it great strength, and it will safely carry two riders of more than average weight. Adjustable throughout to suit the needs of all riders. Bottom steering connection. Weight, 38 pounds.



MODEL 44.

The Columbia Racer embraces all suitable features of the other Columbia models, but refined in construction and weight to adapt it to its especial use. Its construction is of the most reliable and careful kind throughout, and the machine is worthy of the wide confidence it is certain to receive. Gear, 72. Weight, 17½ pounds.



HARTFORD PATTERN 1.

This machine, while not so good as a Columbia, is the equal, if not the superior, of most other bicycles listed at $100. Its design and construction embody the most advanced ideas, and it is a worthy and graceful machine. Two heights of frame. Weight, 24 pounds.



HARTFORD PATTERN 2.

A ladies' bicycle of highly attractive design, but of lower cost than the superb Columbia. In durability, ease of running, and excellence of fittings it is not equaled by any other medium-priced machine. Weight, 24 pounds.

HARTFORD PATTERN 3.

This bicycle fully meets the demand for a low-priced bi-

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cycle, yet of good quality. Durability has not been sacrificed, and in ease of running and equipment it will be found highly satisfactory. Gray Wizard single-tube tires. Weight, 27 pounds.

HARTFORD PATTERN 4.

This is, without question, the most desirable low-priced wheel made for ladies' use. Its many good qualities and its handsome appearance commend it. Nothing has been sacrificed to cheapness, and the machine is extremely easy running and durable. Gray Wizard single-tube tires. Weight, 27 pounds.

HARTFORD PATTERN 5.

A well-made, easy running machine, sufficiently strong to withstand occasional hard usage. It will prove very durable and economical. For boys and small men. Weight, 24 pounds.

HARTFORD PATTERN 6.

Carefully designed for the use of young misses, especial attention having been given to securing extreme ease of driving. Its strength is sufficient to permit its use by small ladies. Weight, 24 pounds.

NEW FEATURES AND TIRES.

"We call particular attention to the new features in design and construction embodied in our new machines, notably in all the Columbias—the new narrow-tread crank shaft bearings with ⅜-inch balls and light continuous cranks, improved chain and sprockets, large tubing and hubs with removable ball cases, adjustable handle bar, Columbia nickel-steel tubing, and special handles and saddles. The Columbia single-tube tire is used as the regular equipment of all the foregoing machines. In speed, durability, ease of repair and satisfactory service the Columbia single-tube surpasses all other tires, causing its users less annoyance and expense than any other. The special fabric which we now use adds greatly to the speed and resilience of the tires. For those who prefer a double-tube tire we offer as an option on all our bicycles, except the Hartford Patterns 3, 4, 5 and 6, the well-known Dunlop, which is readily detachable and the most practical tire of its class. We make it, as we do our famous single-tube tires, in our own rubber mill, of the most carefully selected materials and under our special and well-proved processes."

The 1895 Premier Line.

The Premier Cycle Co., whose fine wheels have been well-known to the cycling world for years, is a thing of the past—but from its ashes has arisen Phœnix-like, a young giant of pure American birth, the Premier Cycle Mfg. Co., with Llewellyn Johnson as president; Henry C. Douglas, treasurer, and W. P. Case, secretary. The company are building a line of American-made Helical Premiers for 1895 that will be thoroughly up-to-date, and, as heretofore, of the highest grade, "all constructed of their famous Helical Tubing and with every modern improvement which American ingenuity can devise." The line comprises:

A Helical Road Racer, 28 by 28; fully guaranteed for road use; weight all on, 20 pounds; price, $100.

A Helical Roadster, 28 by 28; up to any weight rider; 25 pounds, with brake and guard on; price, $100.

A Helical Ladies' Premier, 26 by 26; weight all on, 22 pounds: price, $100.

A 17-pound Helical Path Racer; price, $100.

The Premier Cycle Mfg. Co. exhibited a full line of the above patterns at Stand 68, National Cycle Show, also a new adjustable handle bar invented and patented by the president, which can be adjusted on the road without stopping or using a wrench.

The Davis & Stevens Mfg. Co., Seneca Falls, N. Y., have issued and circulated their 1895 calendar. It illustrates their line of Cyclone and Tornado Bicycle Pumps.

North's Electric Pull Expert Trap.

The Chamberlin Cartridge & Target Co., Cleveland, Ohio, are placing upon the market the effective and attractive article here shown. It is Paul North's Improved Electric Pull. It is for use with their new Expert or Extension Spring Trap only, and is described as "simpler and better than the old pull, and has the novel improvement of setting itself automatically." In speaking of this article they say: "The new combination of the improved Expert Trap and Electric Pull will be highly appreciated by all lovers of perfect outfits for target shooting." They further say: "The most essential feature in the enjoyment of trap shooting is a first-class trap; and from the time we began business, we have constantly improved our traps, till, at the present time, there are but very few if any others in use. Our Carrier, as used for the last five or six years, has proven so satisfactory in every respect that we see no room for improvement in that regard. Our Expert is acknowledged to be the most perfect trap ever made, and this year, by some minor changes in its construction, we have overcome the few mechanical defects of the old trap, and believe that it cannot now be equaled. These improved traps cannot be used with our old Electric Pull. Our Electric Pulls are the



only satisfactory pulls in use, and the test of time has demonstrated that they are far superior to any rope or wire device. Prices of Electric Pulls only, complete with wires and battery, for one trap, $10; for three traps, $25; for five traps, $30.

"Inanimate target shooting has rapidly grown in popularity since the days of the glass ball, and at the present time is one of the most popular and healthful of out-door sports. The increase in its interest has been very rapid in the last few years, and has been caused by the very great improvements in targets and traps, and the greatly reduced prices for them, and also by the fostering care and encouragement given by the manufacturers of the many different articles pertaining to the sport."

The Winchester Repeating Arms Co.'s calendar for 1895 is really a work of art, and will appeal to anyone having a drop of sporting blood in his veins. The upper portion is a scene entitled "Success." It shows two hunters looking with pardonable pride upon a huge bear that has fallen a victim to their prowess and the unerring aim of their Winchesters. The lower part, entitled "An Unexpected Chance," shows a hunter taking careful aim at a buck as he stands on the shore of a lake.

The Laughlin Nail Co., of Wheeling, W. Va., have let the contract to Totten, Hogg & Co., of Pittsburg, for the erection of a tin-plate mill in connection with their plant, which, it is said, will be the largest and most complete in the United States. There will be tin mills and dipping capacity in proportion, and the buildings, which will be all of steel, will accommodate seven more mills.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

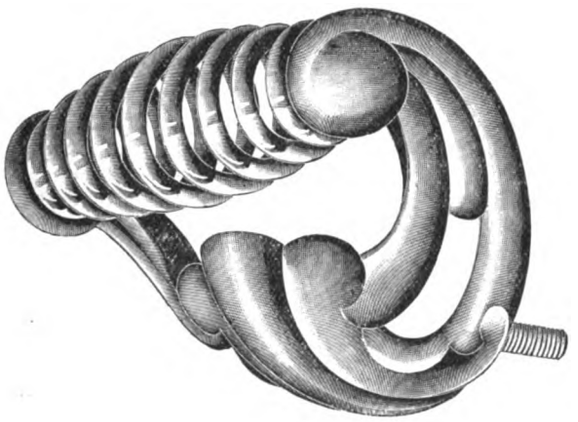
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

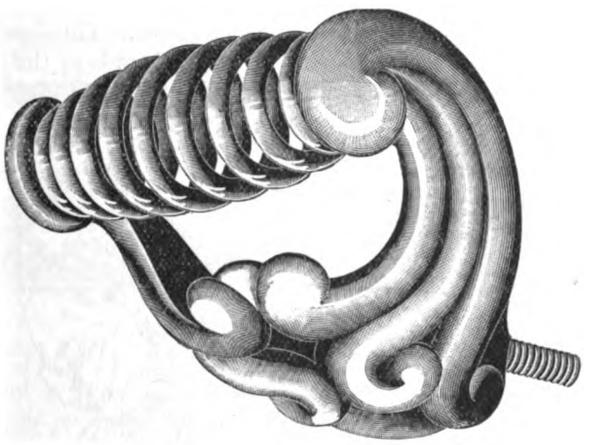
The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

More "Alaska" Specialties.

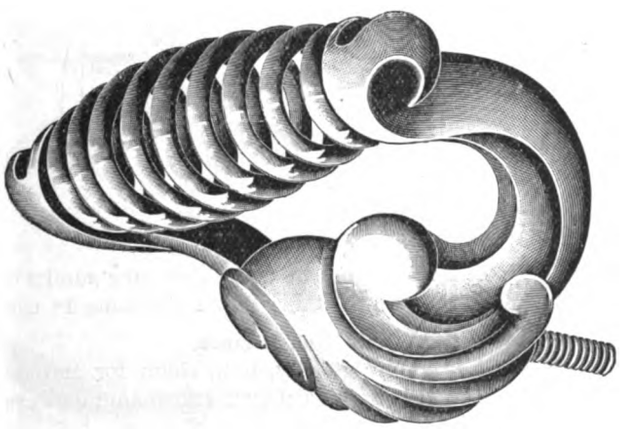
The Troy Nickel Works, Troy, N. Y., in keeping with their purpose to always have some improvements in the famous "Alaska" line under way, have just brought out



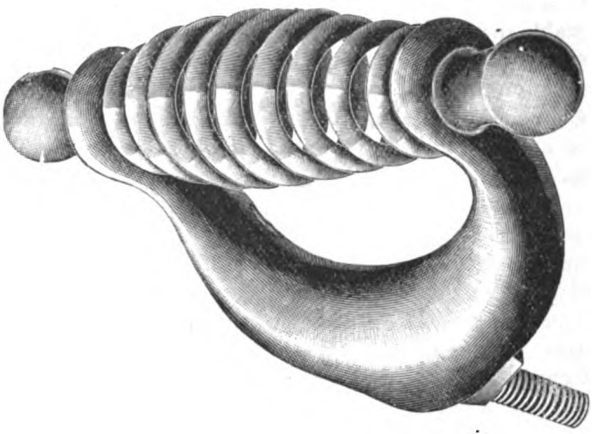
several interesting novelties in the handle line. We are permitted to herewith illustrate a handsome quartette of these. The "Alaska" principle, it will be seen, is carried



out in these in an artistic manner, the "always cold" idea speaking for itself in them all. The products of the Troy Nickel Works need no introduction to the Hardwaremen of



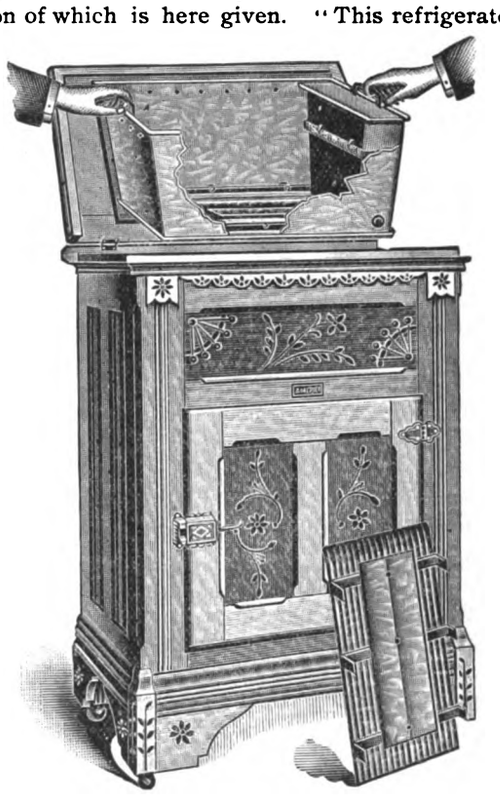
America. They are known wherever hot stoves with cool handles, pokers, lifters, shovels, etc., are needed, and have made their way into the trade upon their own merits. As has been said truthfully, if somewhat jocosely, of these goods: "Dealers everywhere from East Machiasport, Me., down to Ellenberg, Wash., and from Oswego, N. Y., to Pass Christian, Miss., have been favored time and again with interesting advertising novelties bearing the John E. Gaitley ownership branded on their face, such as that clever little Roly-boly game, or later, the direfully suggestive jail key. Everybody thinks the Alaska line is everything that it ought to be, i. e., everybody thinks so except the Troy



Nickel Works, who sit up nights and spend more money than it would cost to keep a Vanderbiltian steam yacht every year, simply to improve their already grand line. The old days when housewives used rags for handling pokers, etc., have passed away and the up-to-date dealer finds 'Alaska' goods as much a staple as axes, cutlery or nails." Prices, etc., will be secured by dropping a line of enquiry to the company at Troy, N. Y., or to almost any jobber in the country.

The America Refrigerator.

The Bowen Mfg. Co., Fond du Lac, Wis., manufacturers of refrigerators, have recently introduced the America, illustration of which is here given. "This refrigerator has



a removable galvanized ice compartment that is constructed in such a manner as to insure cleanliness. All parts of the ice chamber with the shelves are easily removed for cleaning. A great feature is the drainage. The four walls of

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the ice chamber are constructed to form a tank, with an opening in the bottom, through which the cold air passes into the provision compartment. Each wall is flanged at its upper end, from which it is suspended to a rabetted frame in the casing; its lower ends are bent inwardly, then upwardly, forming a trough which extends entirely around the bottom of the tank. All the waste water is forced into the narrow channel of this trough, and consequently will flow out of the refrigerator quickly. By this process, there being less moisture retained within the refrigerator, dryer air is secured, less ice is used. The patent porcelain-lined water cooler, illustrated in the cut, is hooked to a band of iron connecting the front and back walls, and is as easily removed for cleaning as all other parts of the ice chamber. A portable drip pan is suspended to the bottom of the tank and makes it impossible for moisture resulting from condensation on the outer walls of the tank to drip into the provision chamber. Mineral wool, the best non-conductor of heat and cold known, is used in filling the walls of the casing."

Marlin Repeating Rifles, Model 1894.

The Marlin Fire Arms Co., New Haven, Conn., are offering repeating rifles, model 1894 here illustrated. The new model is practically the 1893 rifle adapted to the sizes 32-20, 38-40 and 44-40. The manufacturers state that the most important improvements made in the rifle are that the firing pin is cut in two, and that when the action is closed the two pieces are in a perfect line. The slightest movement of the finger lever pulls back the firing pin, and the front end of the rear piece drops into the slot in the breech bolt where the locking bolt works. With the firing pin in this position



FIG. 1.



FIG. 2.

it is held back, and it is impossible to drive it forward until the breech bolt is closed and locked by the locking bolt, which can only take place when the entire action is locked. If in assembling the rifle the locking bolt should be left out, the rifle cannot be fired, thus preventing any accidents of this sort arising from ignorance or carelessness. The automatic lever catch has been placed at the front end of the lever to avoid the protruding safety catch. These improvements, it is stated, do away with the safety catch, which projected through the lower tang in the 1893 rifle. The locking bolt in this model does not project at all, being within the receiver at all times; this makes the rifle neat, as there are no catches, links or bolts to interfere with the hand. The trigger is in one piece instead of consisting of a trigger and sear as in the 1889 model. This does away with all play about the trigger. The new "take down" rifle is made in 32-20, 38-40, 44-40, 32-40 and 38-55 calibres, with all lengths and styles of barrels and magazines, straight or piston grip. This rifle is practically the same as the regular rifle, with the exception that the barrel may be detached. This rifle may be taken apart by drawing out the magazine, throwing forward the lever to remove the breech bolt from the barrel, loosening the cans and unscrewing. It can be put together as easily as it is taken apart. Fig 1 shows the new 1894 model. Fig 2 the "take down" rifle. Complete catalogues describing these rifles can be obtained from the manufacturers.

The Bischoff Oil Can.

Fred F. Bischoff, Libertyville, Ill., is manufacturing a



FIG. 1.

new Oil Can which he feels will recommend itself. "The can is made of No. 27 gauge steel, galvanized. The outside is lightly embossed, which strengthens and adds to the appearance of the can. The use of the rubber tube admits of no waste." Fig. 1 shows the Can; Fig. 2 the same in use.



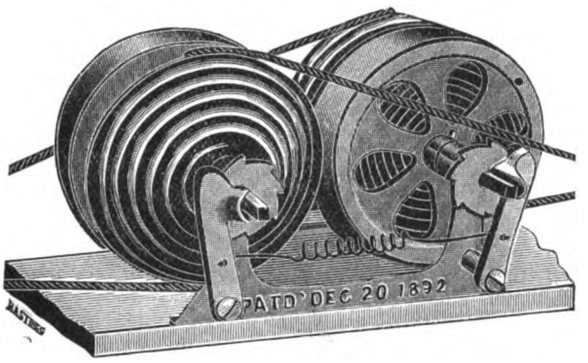
FIG. 2.

Columbian Sash Balance.

Bertsch & Co., Cambridge City, Ind., claim for the Columbian Sash Balance, of which they are the manufacturers, the following points of excellence: "It exactly balances the sash at any point, and works without a friction screw, and will balance a sash of any weight from five to twenty-five pounds, and, by a slight variation, from one to one hundred pounds or more. It requires no pockets nor pul-

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leys in the pulley stiles, and requires no space between the window frame and studding, thus allowing the plastering to be joined closely to the window frame, while the frame may be nailed firmly to the studding. It can be adjusted (made strong or weak), simply by use of the key, there being two key holes through the casing head, one opposite each shaft,



which holes may be ornamented with a silvered or nickeled ferrule or escutcheon. There is but one cord to each sash, one end of which is secured at one corner of the sash, and the other end at the other, while the middle of the cord is in the middle of the Balance, consequently no slipping can occur."

New Levels.

C. E. Jennings & Co., No. 79 Reade Street, New York, are placing upon the market a new line of Levels which they describe as superior articles. These Levels are hexagonal in shape and nickel-plated. Figs. 1 and 2 show Levels, 3 and 5 full size. Fig. 3 shows an improved Iron Level double plumb. This Level, it is stated, is broader on the edges and less in height than most levels, which makes it steadier and is carefully tested and positively accurate. Nos. 3 and 5 cost $3.60 and $6 per dozen. The double plumb costs from $18 to $24 per dozen.



FIG. 1.

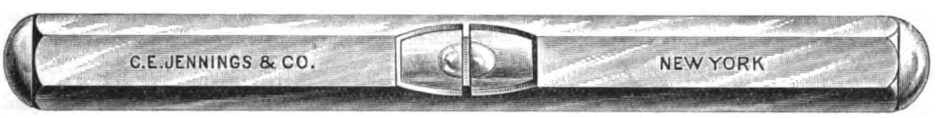


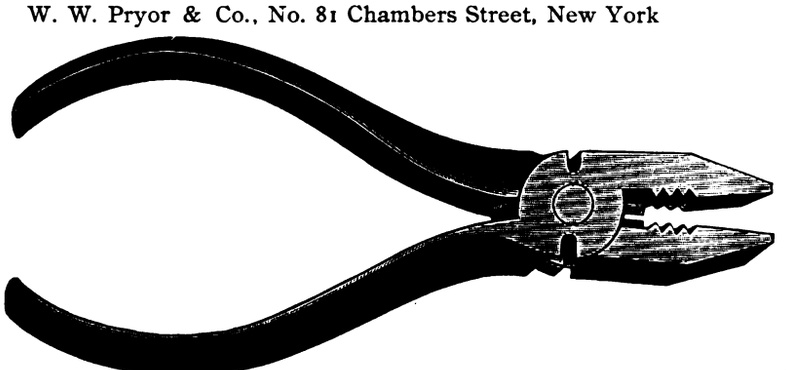
FIG. 2.



FIG. 3.

Hall's Household Plier.

W. W. Pryor & Co., No. 81 Chambers Street, New York city, are putting on the market Hall's Household Pliers, of which a cut is here given. In this implement are included a side and two joint cutters, the latter having a capacity of about 3-32, together with a burner plier and common flat nose plier. The tool is five inches long and well made, being drop forged from a good quality of steel; the cutters are tempered, and will cut hardened wire very easily. This plier is made either polished or nickeled and will be found neat, useful and lasting.



Perk's Cutter and Grater.

Schroeter Bros., No. 811 North Fourth Street, St. Louis, Mo., are offering Perk's Combination Horse-Radish Grater and Cutter, cuts of which are here given. The manufacturers state that "this grater and cutter gives the like satisfaction in grating and slicing raw and cooked potatoes horse-radish, bread, almonds, chocolate, cheese, crackers, cocoanut, etc., in fact, every article which requires grating or slicing. The knives are made out of refined steel and well tempered. The cleaning of grater and cutter is easily done in a few minutes. The grater is so constucted that it will do the work ten times quicker than any machine that has ever been on the market. It is specially recommended for grating horse-radish."





The main office of the Asbury-Paine Mfg. Co. is now located at Wayne Junction, Germantown, Philadelphia, Pa.

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ILLUSTRATED BICYCLE NOVELTIES.

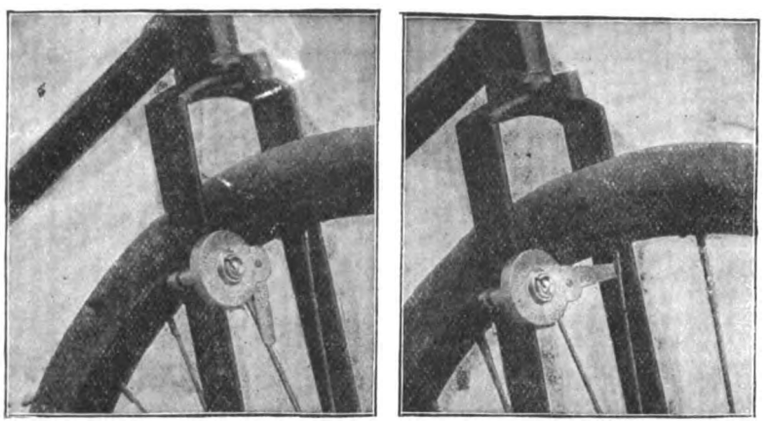
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Perfect Bicycle Lock.

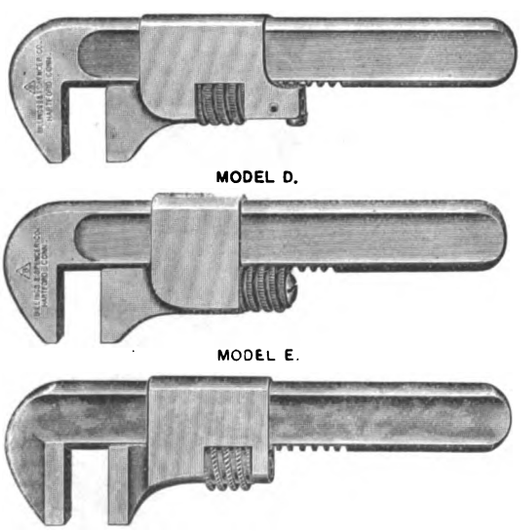
The Perfect Bicycle Lock Co., Coldwater, Mich., are manufacturing a Bicycle Lock, which is here shown. The makers state that "it is permanently fastened to the front fork of the bicycle, on either side, with an adjustable



coupler. To lock the machine, the lever is raised from a vertical to a horizontal position with the finger, no key being used. To unlock the wheel, the key is inserted and turned slightly, when the lever falls of itself and remains firmly fixed. It is strictly a first-class lock, which cannot be picked." No two keys will work in the same lock. It is easily adjusted to any wheel, and weighs only two ounces. The company also make another lock, same as the above, with lantern-holder which can be attached or detached in two minutes.

Improved Bicycle Wrenches.

The illustrations which are here given show the 1895 model of the improved patent Adjustable Pocket Wrenches,



MODEL D.

MODEL E.

NEW MODEL B AND E.

manufactured by the Billings & Spencer Co., Hartford, Conn. Model D represents a quick action wrench, the sliding jaw of which can be moved by using the nut the regular way. If quick action is desired, the thumb is pressed on lever back of the nut, thus raising the nut and disengaging from the thread on bar, the jaw can then be slid along the bar in either direction. By removing the thumb from lever, the nut immediately drops down and engages with thread on the bar. Weight, 5½ ounces. Model E is a solid jaw wrench. This wrench is furnished with a forged steel or steel casting sliding jaw with drop forged steel bar and is nicely finished all over and furnished in black finish or full nickel-plated. Weight, 5½ ounces. New model B and E wrench is furnished only with steel casting sliding jaw and drop forged steel bar, mill black finish, and is referred to as "the best cheap wrench in the market." Weight, 5 ounces.

Bicycle Lock and Trousers Guard.

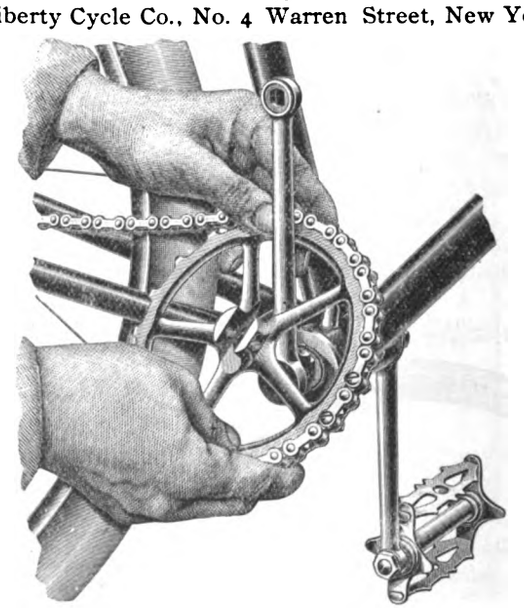
Bevin Bros. Mfg. Co., East Hampton, Conn., are offering



the trade a Combination Bicycle Lock and Trousers Guard, an illustration of which is here given. Two trouser guards with holes punched in each, and one small padlock, make a set. The guards are adjusted in the usual manner, the spring in them holding the trousers in position. When dismounted, the rider can detach the guards, and with the padlock fasten it around any part of the wheel, thus disposing of it in an advantageous manner.

A Detachable Sprocket.

One of the features of the '95 Liberty, manufactured by the Liberty Cycle Co., No. 4 Warren Street, New York, is



the Detachable Sprocket, an illustration of which is here given. This sprocket, the manufacturers claim, "is simplicity itself. It consists of a drop forged sprocket and a binding bolt. The instant the bolt is removed—and this can be done in a few seconds—the sprocket is passed over the shaft and crank in the manner illustrated. This device has been tested for five months, and the result has been entirely favorable. If a larger sprocket is put on, the chain

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is lengthened by putting in one or more detachable links, the addition being made without any filing or riveting, a wrench being the only tool necessary."

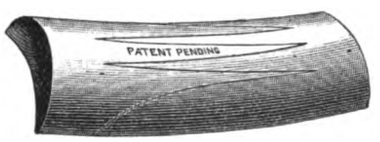
The Develine Whistle.

The whistle which is represented here with a full-sized cut, is being introduced by Dame, Stoddard & Kendall, No. 374 Washington Street, Boston. The internal parts of the whistle consist of a revolving fan-shaped wheel, similar to those used in ventilators. The tone produced is regulated by the rapidity with which the air is cut off by the revolving fan, the higher notes resulting when the whistle is blown the hardest, and the fan consequently revolves most rapidly. The whistle is described as something entirely new, and when blown the sound produced resembles a water whistle, as almost any note can be made by it. The manufacturers claim that it never fails to attract attention either as a bicycle or street-car call, and judging from the noise made by a sample sent HARDWARE, we are sure the claim is well founded.



Fairbanks Wood Rims.

The cut here given shows the joint in the one-piece rims manufactured by the Fairbanks Wood Rim Co., Boston, Mass. The makers state that "the bending process adopted for making these rims tends to compress the wood rather than stretch it. The effect is a rim exceptionally lively and resilient. The joint will be the strongest part of the rim; as the cuts all being brought to fine points result in practically no wood being cut away where it can lessen the strength of the rim; and as the glued joint is more elastic than the wood alone, breakage is almost out of the question. In fact, under severe strains in all directions the joint has withstood the test better than the other portion of any rim made from the best selected woods."



"Hop's" Corner.

Great lessons are prominently brought before the minds of many northern merchants in reviewing the successful outcome of a business like that of Beck & Gregg, of Atlanta, Ga., which, at a dinner given to their talent and which was commented upon in a recent number of HARDWARE, felt and expressed a deserving pride in the fact, that from a borrowed capital of $4000, on which they started business twenty-nine years ago, they had so frugally, economically and carefully husbanded their resources, opportunities and abilities, that to-day they can claim a business of a half million dollars annually and the possession of a paid up capital of $150,000.

The South to-day can show in just such flattering evidences as this historical record discloses, that it is in a progressive state at last. They no longer wait for the hour and the man to arrive; they sally forth and make the present the field of battle, finding the grain of successful effort well planted in every hamlet penetrated by the indefatigable traveling man.

Joe Hendrix, the Brooklyn congressman, in a recent debate upon the currency question, very pointedly advised the South "to disregard the teachings of men who knew us only as a feeble and struggling nation, and to drink in the spirit of the closing of the nineteenth century; live in its life, adjust their affairs to its edicts, and their ideas to its teachings, and make of their practically undiscovered country a part of the rest of the progressive world." And this is what Beck & Gregg pride themselves upon having done, and I commend their shining example to many of their brainy competitors who still let "I dare not wait upon I would," like the cat in the adage.

Speaking recently about the arbitrary methods of returning goods adopted by some of our largest Hardware jobbers in their relations with Eastern manufacturers, I was reminded of one instance in my own experience which amply illustrates the palpable injustice of the modern system as perfectly as possible. One of the largest Western jobbers whose travelers are in number the wonder and admiration of their conservative competitors, had as buyer for one department a gentleman who sat down one day and ordered "Ten gross rivet sets each, No. 7 and No. 8." As these were the two smallest sizes on our catalogue, being suitable for about No. 12 Rivets, it looked odd, to say the least, they should want so many of them; but it's a big house, and the possibility that they had a special use for them stifled a possible letter of enquiry.

So the goods were made up and sent to them without special comment. Well, a very short time subsequently along came a bill from the house in question for the same goods, invoiced back to us, accompanied by a bill of lading and a letter written by the said buyer, who stated he "wanted instead ten gross of rivet sets each, for No. 7 and 8 Rivets," and so he returned these to us, "as they were unsalable sizes," and if we couldn't forward what he wanted promptly, to so advise him, "that he might procure them elsewhere." Not a word said about the ordering man having made a mistake. Oh, no! not an apology of any kind. No "please permit me to return these." No! it was simply "fire them back; we don't want them." Well, as it was no fault of ours, we politely but firmly assured the house in question that these goods were made up for their especial order, were undoubtedly unsalable in New York as they were further West, and further stated that immediately upon their arrival here, we should be compelled to reship them to the house whose original order had resulted in their unnecessary existence; and we also suggested, that hereafter, when ordering similar goods, that the ordering man would save time and trouble if he would consult our own catalogue, which was our "mentor, guide and friend," instead of some other loosely constructed compendium of ironmongery, and adopt our numbers for the articles it was evident he wanted, but failed to order.

The justice of this course on our part was acknowledged; as we heard nothing further from them concerning "sets," nor did they "close their account" with us on account of our not submitting to this truly modern method of ordering goods, hit or miss.

"Hop."

Two passengers on a Western train became involved in a controversy which waxed so hot that one of them called the other a liar. "What's that, a liar?" and he was on his feet in an instant. "Yes, a liar," was the emphatic response, "or my name ain't John Smith, of Smithville." "What, the Hardware merchant?" "The same." "Mr. Smith, I am delighted to meet you. I represent Mr. Sharpedge & Co., of New York, and can show you a line of samples that will make your hair curl."—*Texas Siftings.*

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Hand and Foot-Power Wheels.

D. H. Dorsett, whose reputation as an inventor is widely known in bicycle circles, has again interested all lovers of wheels by his recent invention of the Dorsett Combination Bicycles and Tricycles, manufactured by the Cyclone Combination Cycle Co., of No. 309 Broadway, New York City, with factories at Jamestown, N. Y. The new machines combine hand and foot power, used either collectively or independently, at the will of the rider. This new creation is the result of hard study and careful experiments on the part of Mr. Dorsett, extending over a period of several years, and represents an outlay of thousands of dollars. In the illustrations here given Fig 1 shows the Dorsett Bicycle, Fig 2 shows the Dorsett as an ordinary safety. Fig 3 shows the Dorsett Tricycle. The gentlemen's wheel is of graceful design of frame, the diamond pattern being used, and with the hand power applied, weighs 28 pounds. The hand mechanism, however, is instantly detachable, and the wheel becomes a regulation safety, 22 pounds in weight. Price $135.

The tricycle is a handsome machine, weighing 40 pounds, fitted with 62-inch gear, and is listed at $165. As is the case with the bicycle, it can be propelled bv either hand or foot power or by both, and the hand power is detachable. The entire line is equipped with Morgan & Wright or Hartford Single Tube Tires, unless otherwise specified, and with Garford saddles. The tricycle should prove a boon to those who cannot master the bicycle. Fifteen miles an hour has been accomplished by a lady rider on the Dorsett tricycle, The power exerted by the arms is communicated to the driving shaft by a reciprocating lever connected to the clutch mechanism. The lever is also rotatable, and at its centre of oscillation, steering rods are connected, which reach forward to the shoulders of the front wheel frame. It is therefore possible to simultaneously propel and steer by means of the lever, no matter what its position. The addition of the hand propelling device enables a rider to exert the maximum arm force when the foot cranks are at "dead centre," and hill climbing is accomplished with little effort. The speed possibilities of the Dorsett wheel have not yet been developed, though Von Boeckman, an amateur rider, cut 2 1-5 seconds off the world's record for one-third of a mile, at Buffalo, N. Y., on Friday, December 7th. In construction, scientific and practical methods have been followed, and no wheel on the market to-day shows a closer attention to details. It is double framed throughout. The

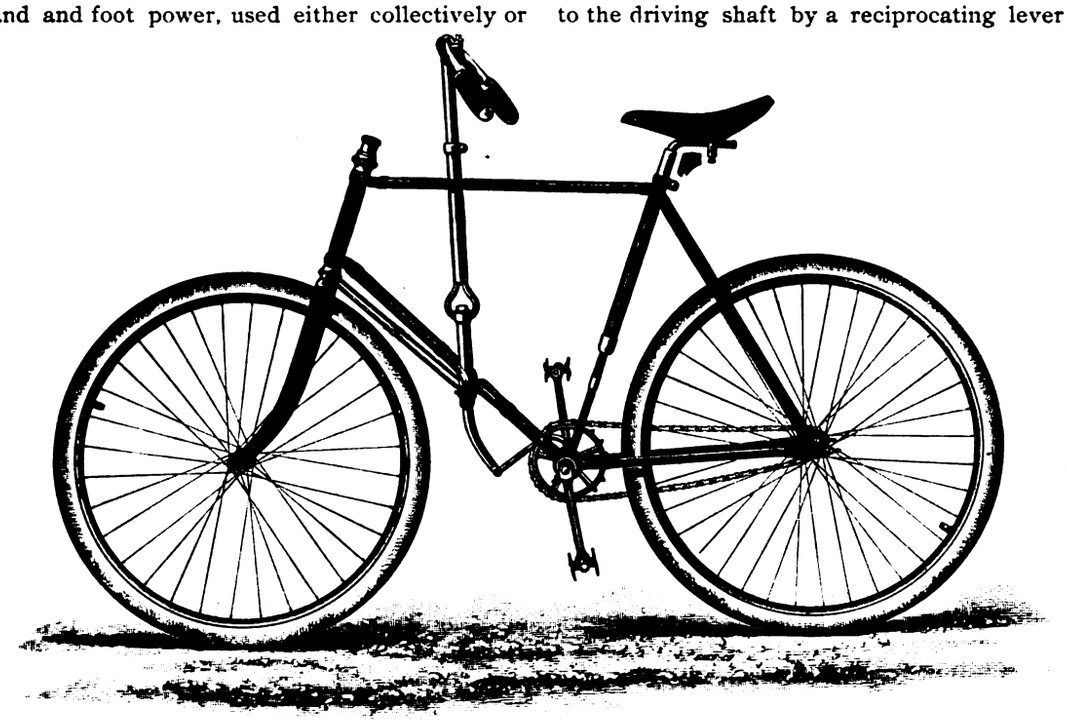


FIG. 1.—DORSETT BICYCLE

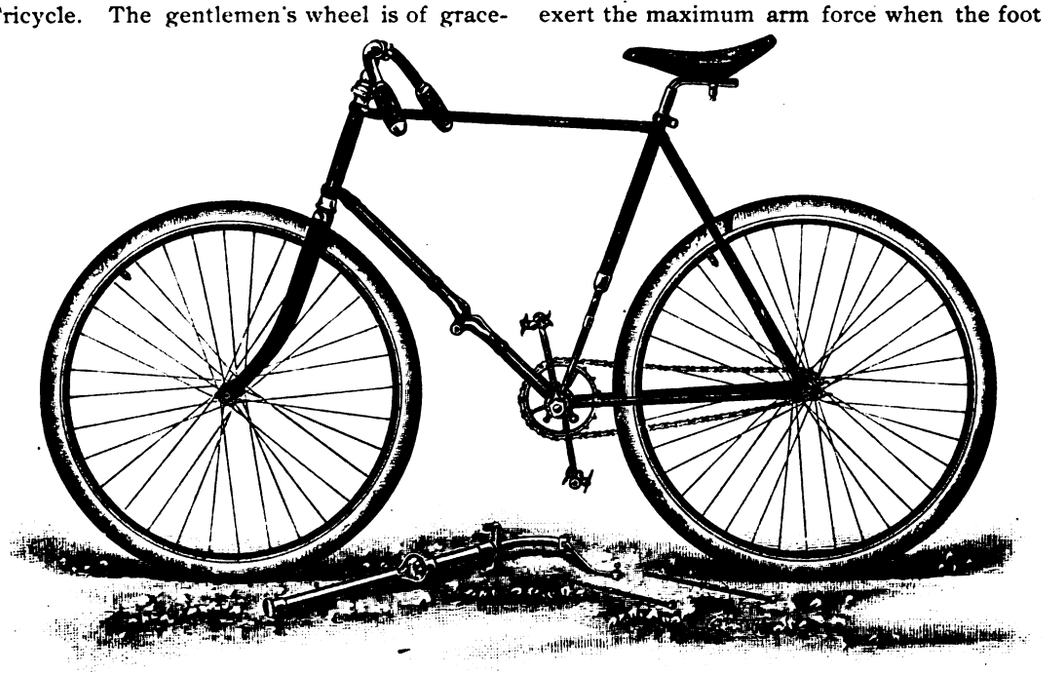


Fig 2.—DORSETT AS ORDINARY SAFETY.

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wearing parts are of material universally acknowledged to be the best. The hand lever is nickeled, and the general appearance of the wheel is very favorable. The complete line of Dorsett hand and foot power bicycles and tricycles will be exhibited at the New York show, at space No. 126.

Recent Catalogues.

E. T. Fraim, the Keystone Lock Works, Lancaster, Pa., has issued a new catalogue for 1895, representing his full line of 169 different padlocks. It is well printed, bound in boards, with red cover and gilt lettering, and is a very substantial as well as handsome publication. A copious index shows the many different lines of his manufacture. On pages 68 and 69 we find illustrations and descriptions of his new automatic padlock. This is a novel and durable article, that has met with unusual success. The turn of the key to the left, and the shackle will unlock and automatically spring in position. The shackle will automatically enter the case and securely lock by simply turning the shackle back. He has also added a line of cheap brass and bronze padlocks which are shown on pages 70 to 75; also a complete line of railroad, freight car and switch locks, which appear on pages 102 to 121. In a note of introduction Mr. Fraim says: "Since our last issue, three years ago, we have added about ninety new padlocks, on some of which we kept you posted through the medium of illustrated circulars, but the large majority are now shown for the first time. We believe this catalogue includes the largest and most complete line of good, straight, honest and reliable active-selling padlocks ever produced by any single concern. The increased demand for goods of the best material, finish and workmanship, and of a higher degree of security, has made necessary constant additions to our line, until now we are prepared to furnish padlocks for nearly every purpose, from a dog collar to a railroad switch or prison. The stock of no Hardware store is now complete without some of the leading Keystone Padlocks. Having a carefully selected force of designers and modelers, we are prepared to produce any special padlock, also freight car and switch locks to suit any key furnished, and a fit guaranteed; and with the very best facilities for manufacturing, with all the latest modern tools, machinery and patterns, and employing skilled labor only, we offer you our goods as unequaled for finish and durability, and at the lowest possible prices."

The Crawford Mfg. Co., Hagerstown, Md., with branch houses at No. 72 Reade Street, New York, and No. 608 North Fourth Street, St. Louis, are sending the trade a very handsome and artistic catalogue, in description of their high grade and juvenile bicycles. This is one of the most attractive publications of this character issued from the press of 1895. It is printed in colors, upon very heavy paper, and their well-known wheels stand out with unusual distinctness, giving the student of bicycle literature an excellent opportunity of seeing just what each article is. Full page illustrations are given of their Crawford No. 19, Crawford No. 20, Crawford No. 17, Crawford No. 18, Crawford No. 11, Crawford No. 22, Crawford No. 13 and Crawford No. 14. Each one of these wheels is fully described as to size, weight, make-up, price, etc. Special illustrations are given of their frames, ball-bearings, crank hanger bracket, chain adjustment, tires, handle-bars, etc. They state that all their bicycles are finished in the best possible manner, great care being used in preparing all parts by the application of either nickel or enamel. They further add: "All our machines are supplied with the latest pattern tool bags, strapped to the frames. The tools consist of a pneumatic pump, wrench and oil can. The weight has been brought down to the lowest possible degree consistent with strength, making the Crawford the lightest medium priced line on the market." This catalogue will be sent upon application.



FIG. 3 – DORSETT TRICYCLE.

The Troy Nickel Works, manufacturers of Alaska Stove Trimmings, Troy, N, Y., have issued an 1895 catalogue and price list of the line of goods manufactured by them. This is their fourteenth annual presentation to the trade, and it is needless to say that while their old and favorite "Always Cold" specialties are presented, they also show many new articles, several of which are illustrated in another portion of this issue. Among these goods are their Perfection stove pipe, improved kitchen sets, parlor sets, fire shovels, pokers, stove lid lifters, tack hammers, bales, gasolene oven turn keys, stove knobs, drop knobs, oven door handles, and also their line of solid iron, nickel-plated stove trimmings, of which they carry a full line, and which consists of knobs, turn keys, foot rails, etc. The company promise that "the

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most favorable discounts and every advantage the market affords will be given to our customers." The cover of this catalogue is a work of art, printed in blue and silver, and presenting a scene which, "Always Cold," well illustrates the character of the goods they manufacture. This catalogue will be sent upon application.

The Pope Mfg. Co., Hartford, Conn., have in their 1895 catalogue of Columbia Bicycles, surpassed by several degrees even the high record they have heretofore made in the line of artistic book-making. The catalogue which they are sending forth, contains about fifty pages, finished as finely as the great majority of the gift books which are always a feature about the holiday season. The cover is wonderfully attractive in colors, and unique in design, and scattered all through the work in full page and margin we find evidences of the work of first-class artists. It is, of course, impossible to attempt any description of the various illustrations given, a part of which are devoted to their wheels and specialties, while others are simply evidences of what illustration can do to brighten up and make interesting the text. We have views of their works and offices; cuts of their wheels, saddles, tires, pedals, etc.; marine, country and hunting views; with bits of woodland and seashore thrown in, here and there, in the most attractive and artistic manner. A description of the great works at Hartford, and a history of the Hartford Cycle Co., which belong to the Pope Mfg. Co., are also given. The work is one that needs to be seen to be appreciated, and we assure any dealer that it will be worth his while to send for a copy thereof.

The Chamberlin Cartridge & Target Co., Cleveland, Ohio, have issued a very attractive catalogue of their Blue Rock targets and traps and Chamberlin cartridges. This is illustrated with fine engravings in half-tone, printed in red upon fine white paper, and contains a great deal of information of an interesting character. Within it is found the programme of the Second Annual Tournament, which is to be held on June 19, 20 and 21, 1895. Among the articles to be displayed are their Expert Trap, the Old Reliable Blue Rock Pigeon, their Extension Spring Trap, compression spring trap, a model trap house, etc. In a note of introduction they say "that all their traps, targets and pulls and devices and machinery of their manufacture are fully protected by patents." Elsewhere will be found an illustration and description of one of their specialties. This catalogue will be found very useful to any one interested in goods in this line, and the company will be pleased to send it upon application,

"Stick and Stay" is the title of another of these little leaflets issued by the New York Belting & Packing Co., New York. This illustrates and describes their rubber cycle sundries, among which are their rubber cement for patching purposes, tire tape, liquid tire cement for wood or metal rims, double diamond repair outfit, pure patching rubber, etc. In a note the company say: "There is an increasing demand for a complete line of Rubber Cycle Sundries which few have the facilities to supply. A long experience in manufacturing rubber goods, and a special study of the requirements of the cyclists, enable us to offer, in our 'Stick and Stay' sundries, exactly what is wanted. Great care has been used in preparing these sundries, and they are of excellent quality."

Wells Bros. & Co., Greenfield, Mass., have issued an illustrated catalogue of 120 pages, which contains a full illustration and description of their well-known line of labor-saving tools and machines. The company say: "Large additions have been made during the year, and we feel that we are keeping up with the times. New goods, new prices, new discounts, are the order of the day. We are anxious that every dealer in, and user of, this class of tools shall be supplied with a copy, which we will send free of charge upon application." It is, of course, impossible to even commence an enumeration of their immense line of goods, many of which have been shown from time to time in the columns of HARDWARE.

The Waterbury-Farrel Foundry & Machine Co., Waterbury, Conn., have issued a finely illustrated price list, showing their Drop-Presses and Foot-Presses. The large variety of machines manufactured by them follow each other upon successive pages, with descriptions, dimensions, prices, etc. On the last page is a useful tool room machine, to which attention is especially called. The catalogue is accompanied by a leaflet, especially illustrating their hydraulic embossing press, and containing a view of their works. Those who use power presses, rolls, etc., will receive a copy of this publication upon application.

The Eagle Bicycle Mfg. Co., Torrington, Conn., have issued a very handsome and artistic catalogue, printed in colors and upon very heavy calendered paper, and showing their well-known line of goods in a very artistic manner. It contains a picture of their works in Torrington, and illustrated descriptions of their well-known wheels. They say: "Our lines of new models herein described show many marked improvements. They embody many distinguishing features, which are found only in bicycles of our make."

The Jos. Dixon Crucible Co., Jersey City, N. J., have issued a third revised edition for 1895 of their handsome and useful little hand-book, "Graphite as a Lubricant; Practically and Scientifically considered; also its value as an accessory for engineers and machinists." There is a great deal of information of a valuable character for those who have use for an article of this kind.

The catalogue of the Syracuse Cycle Mfg. Co., Syracuse, N. Y., for 1895, is a most complete and comprehensive one. It shows a full line of cuts of the latest bicycles and improved accessories, and contains information of value to riders, such as road records, etc. A useful price list of parts of wheels is appended.

The Wire Goods Co., Worcester, Mass., are sending their friends a leaflet illustrating and describing their all-steel school-house and gymnasium hooks. These are warranted to sustain three hundred pounds weight. They also show their Czar harness hooks, Czar fire-pail hooks, and coat and pantaloon hangers.

Hulbert Bros. & Co., No. 26 West Twenty-third Street, New York, have issued a catalogue of their "Majestic" line of wheels for 1895. This shows their Light Roadster No. 6, their No. 7, their No, 8, with the parts thereof, giving detailed description, prices, testimonials, etc,

"How to get a New Tire for an Old One," is the title of a little monograph just received from the Gormully & Jeffery Mfg. Co., Chicago.

The Gormully & Jeffery Mfg. Co., Chicago, have issued a very attractive catalogue illustrating and describing their Rambler bicycles.

Allerton Lubricant Co.

The Allerton Lubricant Co., Chicago, Ill., have incorporated with $3,000,000 capital. The lubricant manufactured by the new company is made from waste mica, which is a natural lubricant. It is used on railways to lubricate car journals, electric motors and other bearings, to overcome friction resulting from heavy pressure or great velocity. The manufacturers state that their lubricant will not gum or melt in hot weather, nor freeze in cold, and will lubricate the entire face of the axle. It is put up in barrels, half barrels, kegs, 25-pound wood pails and tins of 15, 10, 5, 3 and 1 pound. The Allerton-Clarke Co., No. 23 Lake street, Chicago, and No. 83 Reade street, New York, are the selling agents.

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The Chicago Cycle Show.

A GREAT EVENT FOR WHEEL MAKERS, SELLERS AND RIDERS. THE EXHIBITION AN ESTABLISHED ANNUAL EVENT.—LARGE ATTENDANCE AND BENEFICIAL EFFECTS.—LIST OF EXHIBITORS, ETC.

The first Annual Exhibition of the National Cycle Exhibition Co., of Chicago, is a thing of the past. For one entire week, from January 7th to 12th inclusive, the Cycle Crank has ruled supreme. From the standpoint of attendance, the show was an assured success the first day, and the managers now state that financially it has also been a winner. The impetus given to the cycle trade through the medium of this exhibition cannot be overestimated, and the fact that exhibitors have already filed applications for space for next year, ensures the future of the undertaking, and now the annual exhibition may be called a fixture. That an enterprise of this nature should be a financial success the first year, shows what a hold cycling has taken upon the public, and the enormous capital invested in the manufacture of wheels was clearly demonstrated to the attendants at the show. When the general public came to a full realization of the fact that over $25,000,000 of capital was represented by the various exhibitors, they awoke to the fact that cycling was no longer a fad confined to the few, but a permanent institution, endorsed by the masses. The attendance the opening night was over 1800, and each succeeding day bore testimony to a steady ratio of increase.

The exhibitions at the various booths were both artistic and unique, attracting the attention and pleasing the eye, while instructing the visitor upon the merits of the various wheels and contrivances. The idea that only people who ride wheels attend a cycle show, is now an exploded theory, as evidenced by the mixed crowds who daily thronged the armories of the Second Regiment. Nearly every class of citizens was represented, and nearly every branch of industry. Fully fifty per cent. of those present never in their lives bestrode a wheel or know the difference between a "single" and a "tandem."

The floor space devoted to exhibits is considerably larger than Madison Square Garden, and every available foot was occupied. Long before the opening day applicants for space were being turned away, and although the representation was large, many who desired space were forced to abandon the idea. This was the only feature that marred an otherwise perfect exhibit.

There was besides the sightseer and enthusiast, another regular attendant at the daily session. This was the out-of-town dealer who took advantage of the opportunity afforded him of comparing the different wheels, and becoming acquainted with the claims of the various manufacturers. Over 2000 regular trades registered during the week, and bought largely of the different exhibitors. One buyer stated that he had been waiting for six weeks before placing his order for a thousand wheels.

There is no doubt but that interest in bicycles and bicycle affairs is greater than ever before and it is hardly traceable to the exhibition. The daily papers here contributed over thirty-five columns of space to the exhibit, and the periodicals outside of the cycling papers fully as much more. Manufacturers and jobbers alike report a strong increase in orders, and while there is no doubt that a portion of this represents an anticipation of orders that would have been placed in the spring, still there is a large margin left which would never have been heard from without the medium of the exhibition.

There were the usual number of new things shown, and improvements and so-called improvements were to be seen in nearly every booth, but the most notable features were the reduction in weight and price.

It is safe to say that, barring tandems, there was not a machine shown weighing over 30 pounds, while the light roadsters exhibited would not average over 22 pounds. The lightest wheel was shown by Munger. It weighed 8¼ pounds, whilst the Black Mfg. Co. came next with a wheel weighing 8 pounds, 14 ounces.

The reduction in prices referred to was general. First-class machines averaged about an even hundred dollars. Now and then a manufacturer catering for the elite trade showed $110 to $115 signs, but they were decidedly in the minority.

A regular musical programme was presented each day, by Brooks' Second Regiment Band, and was most thoroughly appreciated. Several attractions were presented, but probably the one receiving the most attention was the "Living Pictures," giving a faithful portrayal of cycling and cycling costumes, together with actual and fanciful pictures, both artistic and humorous.

THE EXHIBITORS.

Stands 1 and 2 were occupied by the Columbus Cycle Co. with a full line. Stand 3—The Fulton Machine Works, regular line, including a twenty-five pound single chained tandem. Stand 4—The Grand Rapids Cycle Co., with an exhibit of light roadsters and racers. Stand 5—James Cycle Importing Co. Stands 6, 7 and 8—A. G. Spalding & Bros., with a full line of their goods, including a novelty in a folding bicycle, built for military purposes and capable of being folded up into a space of three feet. Stands 9 and 10—The National Cycle Mfg. Co., with a full line. Stands 11, 12 and 13—Western Wheel Works. Stands 14 and 14½—The Buffalo Cycle Co. Stands 15 and 16—Kingman & Co. and the Warman-Schub Cycle house. Stand 17—Keating Wheel Co., with a fine exhibit of light wheels. Stand 17½—Fenton Metallic Mfg. Co. Stand 18—Ames & Frost Co. Stand 19—Eclipse Bicycle Co. Stand 20—Julius Andrae Sons & Co., light roadsters and racers showing a novelty in the shape of a cork covered raising handle bar. Stand 21—Relay Mfg. Co. Stand 22—Waltham Mfg. Co. Stand 23—E. B. Preston & Co., light tandems and roadsters. Stand 24—Ariel Cycle Co., full line. Stand 25—Two-Speed Bicycle Co., complete line. Stand 27—The Black Mfg. Co., a full line, including a racer weighing 8 pounds, 14 ounces. Stand 28—Hibbard, Spencer, Bartlett & Co., with a full line of Ajax wheels. Stand 28½—McKee & Harrington. Stand 29—March-Davis Co. Stands 30 and 31—Marion Cycle Co., full line, novelty in the shape of a saddle placed at the apex of a triangular frame. Stands 32, 33 and 34—H. A. Lozier & Co. Stands 35 and 36—St. Louis Refrigerator & Wooden Gutter Co., light roadsters and racers. Stand 37—Geo. N. Pierce & Co., a full line and a novelty in shape of a gold-plated racer. Stand 38—Rochester Mfg. Co. Stands 39 and 40—Rouse, Hazard & Co., a full line and a curiosity in the first chain driven safety made. Stands 41 and 56—F. F. Ide Mfg. Co. Stands 41½ and 55½—Central Cycle Mfg. Co. Stands 42, 43, 44, 95 and 105—Gormully & Jeffrey; large exhibit of cycles and cycle tires for vehicles, also several novelties. Stands 45, 45½ and 46—Overman Wheel Co., with full line of Victor wheels. Stands 47 and 48—Yost Mfg. Co., Japanese pagoda full of their wheels. Stand 49—Derby Cycle Co. Stands 50 and 51—A. Featherstone Co., full line of roadsters. Stands 52 and 53—Eagle Bicycle Mfg. Co., full line, including their aluminum rims on nearly every wheel. Stand 51½—Plymouth Cycle Mfg. Co. Stands 54 and 55—A. F. Shapleigh Co. Stands 57, 58 and 59—E. C Stearns & Co., a complete line, including the quad, triplet and tandem used in pacing Johnson when smashing records. Stands 60, 61 and 62—Pope Mfg. Co., with a full line of Columbias, and a historical collection of hubs and wheels. Stand 62A—National Sewing Machine Co. Stand 62½—Warwick Cycle Co, Stand 63—Kenwood Bicycle Mfg. Co. Stand 64—Stover Mfg. Co. Stands 65 and 66—Syracuse Cycle Co. Stand 67—W. H. Wilhelm & Co., single wheels and tandems, full line. Stands 67A and 77A—Remington Arms Co. Stands 67½ and 77½—The Peerless Mfg. Co.,

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full line and exhibit showing process of construction. Stands 68 and 77—Indiana Bicycle Co. Stands 69, 70, 75 and 76—Monarch Cycle Co., full line of Monarch wheels, also a wheel finished in hemlock bark, giving the appearance of a wooden wheel. Stands 71 and 74—Hill Cycle Mfg. Co. Stands 72 and 73—Union Cycle Co., full line and the $1000 slab of gold presented by Morgan & Wright for fastest unpaced mile on their tires. Stand 78—Munger Cycle Mfg. Co., full line, including the lightest machine, show an eight pound wheel perfect in every point. Stands 79 and 80—Sterling Cycle Works. Stand 130—Queen City Cycle Co. Stands 133 and 134—Motor Cycle Co. Stand 136—Hoffman Cycle Co. Stands 137 and 138—Cortland Wagon Co. Stand 139—Hay & Willits, with a new wheel called "Outing." Stand 140—Mason & Mason and the International Mfg. Co. Stand 141—The Speeder Cycle Co. Stand 142—H. F. Schleuter Cycle Co. Stand 143—Lovell Arms Co. Stand 144—Thorsen & Cassady. Stand 145—Brooklyn Cycle Co.

The balance of the exhibit was taken up by displays made by the various houses who manufacture and handle bicycle sundries. They were: The Niagara Cycle Fittings Co., of Buffalo, N. Y.; the Simonds Rolling Machine Co., of Fitchburg, Mass.; the Reed & Curtis Machine Screw Co., Worcester, Mass.; the Spaulding Machine Screw Co., of Buffalo, N. Y.; Cullman Wheel Co., Chicago; C. J. Whipple & Co., Waterloo, Iowa; Arlington U. Betts & Co., Toledo, Ohio; Rockford Tool & Sundry Mfg. Co.; Whayne Mfg. Mfg. Co., Louisville; W. S. Frazier & Co., Capital Mfg. Co., Kalamazoo Cycle Co., Braddock Hose Supporter Co., the Elastic Tip & Tire Co., New Departure Bell Co., Bristol, Conn.; G. W. Cole & Co., Cushman & Denison; Indiana Novelty Mfg. Co., of Plymouth, Ind.; M. E. Griswold & Co., Roger B. McMullen & Co., the Hunt Mfg. Co., Indianapolis Rubber Co.; the Tillinghast Tire Co., of Providence, R. I.; New York Standard Watch Co., Eastern Rubber Mfg. Co.; the Tie Co., Unadilla, N. Y.; Boston Woven Hose & Rubber Co.; Parkhurst & Wilkinson, Chicago; Columbia Rubber Works, Diamond Rubber Co., Mechanical Rubber Co., L. C. Smith Tire Co., New York Tire Co., New York Belting & Packing Co., United States Tire Co., American Dunlop Tire Co., Morgan & Wright; E. J. Lobdell, Marietta, Ohio; Joseph Caldwell & Co., Chicago; Bridgeport Gun & Implement Co., Seig & Walpole Mfg. Co., Lodge & Davis Machine Tool Co., Garvin Machine Co., Fauber & Norton, J. J. Boucher & Co., T. J. Lindsay & Co., C. A. Taylor Trunk Works, Cycle Tent Co., Chicago Cycle Coupler Co., Noderer Mfg. Co., J. C. Van Vleet, Hall Shone & Co. MACK.

Chicago, January 16, 1895.

A. B. Harrison, of Harrison & Wolfe, No. 54 Broadway, New York, has gone to Mexico to represent a number of prominent American manufacturers. He took a large quantity of samples and will stay until he is able to establish a business. Among the concerns represented by him, all on a strictly salary basis, are the Reading Hardware Co., Kearney & Foot Co., Atha Tool Co., Iron City Tool Works, C. E. Jennings & Co., Peck, Stow & Wilcox Co., Benj. Atha & Ilingsworth Co., Meriden Britannia Co., Revere Rubber Co., Scovill Mfg Co., Scovill & Adams and Syracuse Chilled Plow Co. His main business is to bring the merchandise of the concerns represented to the attention of the large trade of that country. Mr. Harrison was export manager for Sargent & Co. for nearly ten years.

The desk calendar and holder issued and distributed by the Arcade Mfg. Co., Freeport, Ill., is certainly a prize winner. The lines of goods manufactured by the company, such as spring hinges, stovepipe registers, calendar holders, coffee mills, lid lifters, cork extractors, etc., are illustrated.

The New Britain Hardware Works, New Britain, Conn., are running thirteen hours a day.

New York Bicycle Show.

FIRST NATIONAL EXHIBIT OF CYCLES, CYCLE ACCESSORIES AND SUNDRIES.

UNDER THE AUSPICES OF THE NATIONAL BOARD OF TRADE OF CYCLE MANUFACTURERS—WHO ARE THERE AND WHAT THEY ARE SHOWING—A WONDERFUL EXHIBIT OF A GREAT INDUSTRY.

The First National Cycle Exhibit, at Madison Square Garden, was ushered in amid a blaze of electric light on Saturday evening, January 19th.

To the eyes of an ordinary mortal the Garden was a sight that would be hard to equal. The whole roof, the galleries, boxes and pillars were draped with white and delicate pink, while the Star Spangled Banner was seen everywhere. Add to this the innumerable lights that flashed and sparkled like stars in a cloudless sky, and the numerous palms and flowers and the unique decorations of the different booths, and one has a faint idea of the brilliancy of the spectacle.

Loyal New Yorkers have a just reason to feel proud, for, as in other things, this Show is the greatest of its kind. It certainly is the finest ever seen in this country, and it is hard to imagine one in another country that could surpass it. The fair sex showed their interest in the silent steed by attending in large numbers. The D'Aquin orchestra discoursed sweet, familiar airs, and the Powers family, Kilpatrick, the one-legged wonder, the Martell family and W. S. Maltby performed tricks that astonished the multitude. The bicycle fashioned largely from electric lights, that formed part of the sign which announced the character of the show, though in point of size the largest, was undoubtedly the lightest machine in the building. About 165 booths filled the immense floor, and the array of bicycles and accessories was bewildering to the eye. Not only were there bicycles "built for two," but for three and four. The latest and best in the bike line, the products of this vast country and from across the pond, were displayed in profusion, and novelties were as thick as nails in a keg.

The detailed description of the individual exhibits which follows will enable readers to learn the quantity and quality of the articles exhibited. The officers and promoters of the Show deserve a vast amount of credit for the laudable zeal they have thrown into their work.

Of course the first things that invite detailed inspection are the booths, filled with their various forms of American mechanical genius in visible form. The following is a brief summary of what is there seen:

LOVELL ARMS CO.

The John P. Lovell Arms Co., Boston, Mass., exhibit seven wheels; five styles of the Lovell Diamond as follows: Track racer, model 22, 25-inch frame, 17½ pounds, 5-inch tread, 72-inch gear, $100; semi-racer, model 23, 25-inch frame, 5½-inch tread, 19½ pounds, 72-inch gear, $100; light roadster, model 24, 21½ pounds, 5½-inch tread, 68-inch gear, 23-inch frame, $100; full roadster, model 25, 24¼ pounds, 5½-inch tread, 23-inch frame, 64-inch gear, $100; the ladies', model 26, 24 pounds, 5½-inch tread, 23-inch frame, 64-inch gear, $100. As attractions they show a full nickeled racing wheel, and a beautiful, bright, copper finished ladies' wheel, weighing 20 pounds. A great many improvements have been made in this line. The crank shaft is higher, and the top frame tube has been raised from ¾ to ⅞ inches, and the back from ½ to ⅝ inches. One unique feature is their improved skeleton pedal, without either a screw or nut; one side of the pedal may be covered with rubber, thus making a combination rat trap and rubber pedal. These are sold separately at $5. They also have an improved detachable sprocket wheel, the wheel being narrow and of a different style from that of last year; the handle bars have an improved comfortable curve. But the novelty par excellence is a new wire spring saddle, which consists of a single saddle spring of triangular form

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upon which is stretched fine piano wire, no leather being used. The saddle feels very comfortable to the hand, and every one is at once struck with the novelty of the idea. Ladies' frame is now of the double direct tube pattern instead of the ordinary loop of last year's model; on all wheels, except the racing wheels, brakes and mud guards are now fitted which may be simply and quickly detached, after which there are no marks on the wheel showing that the guards or brake had been fitted to it. They are as easily attached as detached.

INDIANA BICYCLE CO.

The Indiana Bicycle Co., Indianapolis, Ind., exhibit a full line of 1895 models of the Waverley. They are shown as follows: One high frame scorcher, 22 pounds, fitted with G. & J. wood rim clincher tires and Waverley rat trap pedals, one regular 23-inch frame Waverley scorcher, fitted with steel rims and Waverley clincher tires, made under G. & J. patents; one Waverley Belle, 22 pounds, fitted with G. & J. wood rim clincher tires, and the new pattern ladies' black top saddle and black tool bag; one 26-inch special diamond, built for ladies' use, weighing 20 pounds, fitted with G. & J. wood rim clincher tires and ladies' saddle; also raised handle bar. The list price of the two ladies' machines is $75 each, and the two gentlemen's $85 each. The exhibit comprises in addition to these, which comprises the regular catalogue line except the variation of tires and weights, a ten-pound racer, especially built for the show, and a full line of the four new Waverley pedals. There is no denying that the '95 Waverley is a wonderfully improved wheel, and that it will compare favorably with almost any on the market. Its makers have made a praiseworthy endeavor to bring about this result, to such an extent, indeed, that they are now analyzing each ingot of every lot of steel purchased, of course reducing it to fluid by a chemical process.



PRESIDENT ALBERT A. POPE.

NEW YORK BELTING & PACKING CO.

The New York Belting & Packing Co., New York, show the League and Whippet Improved Tires. The League is in three types—3, 1½ and 1¾ pounds, from $10 to $10.50; road racer, 1½ pounds, $11 track racer, 1⅜ pounds, $11. The feature of the League Tire is that the life of the rubber is preserved by cementing it on the fabric before fabric is vulcanized. It is a very elastic tire. The Whippet is the same as last year, but somewhat improved. The valves have the universal connection. There is no mold mark or fin on the tread.

CURTIS-CHILD MFG. CO.

The Curtis-Child Mfg. Co., Philadelphia, Pa., occupy space No. 48 with an attractive and handsome display of their line of Solid Comfort Saddles. These consist of twelve styles, finished in colored leather. The line consists of Racing, Scorcher, Semi-roadster, Ladies', Roadsters and Fat Men's Saddles, weighing from twelve ounces to thirty ounces, according to class. It is needless to say that their saddles attracted a great deal of attention. It may be added that all patterns can be furnished in either black or tan-colored leathers; special colors at small extra cost. Each part of the "Solid Comfort" Saddle is guaranteed in every possible respect, and the makers say "it is a pleasure to make good, without charge, any broken part or parts returned to our factory. This guarantee is broad, but we mean every word of it."

KEATING WHEEL CO.

The Keating Wheel Co., Holyoke, Mass., show their full line of wheels, which includes eight new models of the '95 wheels as follows: The Keating roadster, model K, and the roadster, model L, each weighing 19 pounds, the latter being the same as the former except a higher frame, and lists at $100. The special racer weighs 17 pounds and lists at $125. The Keating Rational is a diamond frame ladies' machine, weighing 19 pounds and listing at $100. Model 10 is a 23-pound double frame ladies' wheel. Model 11, another ladies' machine, lists at $100 and weighs from 20 to 23 pounds. It is built on straight lines and is guaranteed to carry any weight.

GRAND RAPIDS CYCLE CO.

The Grand Rapids Cycle Co., Grand Rapids, Mich., occupy space No. 29 and exhibit six machines. A racer, weighing 15 pounds; Light Roadster, weighing 25 pounds; Model No. 24, weighing 24 pounds; Lady's Model B., 26½ pounds; also a medium grade wheel for the public trade and one other nickel wheel not mentioned above. The frames of the entire line are of good sized tubing and all with 28-inch wheels. They also show a new pedal bar of their own manufacture. J. Elmer Pratt, assisted by F. A. Marshall, their New York traveller, has charge of the exhibit.

THE HELICAL PREMIER EXHIBIT.

One of the first displays which greets the visitor to the show on entering is that of the Premier Cycle Mfg. Co., at stand No. 68. This consists of five 1895 models as follows: Helical Premier Racer, 26-inch wheels, geared to 68 or 72, weight all on 17 pounds. This is the company's regular stock Racer, and, like the balance of the exhibit, is not built for "show" purposes. It is a beautiful track mount with an exceedingly rigid frame—a peculiarity of Helical Tubing. Price $100. Helical Premier Roadster, 28-inch wheels, geared to 64, 68 or 72, weight all on 20 pounds. This ma-

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chine, like the Racer, is of the most modern type, and is listed at $100. Ladies' Helical Premier, 26-inch wheels, geared to 64 or 68, double-straight drop frame of Helical Tube, chain and wheel guards, brake and foot rests, weight complete 22 pounds. President L. H. Johnson claims that this is the stiffest featherweight ladies' machine in the show and invites comparative tests. Price $100. For specially heavy riders the company furnish a slightly heavier type of the Men's Roadster, fitted with foot rests, brake and guards, and weighing about 24 pounds. An all-nickeled Helical Premier, ridden by Mr. Johnson during 1893, is also shown. This wheel is fitted with two-inch tires, which the company strongly recommend for rough roads and heavy riders. It is also fitted with the Johnson Adjustable Handle Bar, which can be raised or lowered while riding and without a wrench. This is one of the neatest adjustable handle bars we have seen, and attracts a great deal of attention. The Premier line for 1895 is American-made throughout and fully in keeping with the remarkable advance in the art of cycle building in this country of late years. The exhibit is in charge of President L. H. Johnson, Treasurer H. C. Douglas and Secretary W. P. Case. New England dealers find their old friend "Teddy" Dayton on hand to explain the advantages of Helical Tubing.

A. M. SCHEFFEY & CO.

A. M. Scheffey & Co., No. 92 Reade Street, New York, at space 108, exhibit their full line of Wynnewood Bicycles, comprising eight patterns in all. This line is thoroughly popular in prices, and "Wynnewood" M (the best machine), with Wood Rims and M. & W. tires, lists at $80, and with its companion for ladies ("Wynnewood" L), at same price, make a pair of machines very hard to beat. "High grade steel tubing and best drop forgings are used throughout. The bearings are tool steel and hardened in the best possible manner, being absolutely dust proof without the use of felt washers. The crank bearing is an improvement over anything yet offered. High barrel pattern with the ball case screwed into same, and held in place by clamp screws, admits of a perfect adjustment. Cranks are of the best steel drop forgings, the right one being a new pattern with flange, to which is fastened the sprocket by four small bolts. This enables the rider to change gear when removing crank or pedal. "Wynnewood" B for men, and "Wynnewood" C for ladies, with Wood Rims and M. & W. Tires, lists at $60, and are a wonderful pair of machines for the money. This is the third year for "Wynnewood" B. It weighs, with road tires, 28 pounds, and is built strictly for business. "Wynnewood" C is a fit companion. It is much lighter and handsomer than the '94 pattern, but retains its great strength and rigidity. "Wynnewood" D and E follow for boys and girls respectively, and lists with wood or steel rim and M. & W. Tires at $50. The boy who rides a "Wynnewood" D has reason to feel proud of his mount, while the young lady or miss on a "Wynnewood" E is justified in feeling that her mount is all right in every way. The younger boys and girls are cared for in the machines called "Wynnewood" F and O, which list at $40 each. This completes the line. A. M. Scheffey, the head of the firm, who makes these machines, has been connected with the bicycle trade for eleven years. His long experience, therefore, and successful bicycle career, justify the position in the business world this house now occupies; and from the interest taken in the line of machines as presented this year, there can be no reason to doubt that the year's business will be eminently satisfactory. Complete catalogues, describing the machines in detail, are furnished on application.



SECRETARY A. KENNEDY-CHILD.

O. J. FAXON & CO.

O. J. Faxon & Co., Boston, exhibit as follows: Five Models, ranging from 21 pounds to 25 pounds. Their Model G or regular full roadster for all-round road use and touring, weighs 25 pounds; Model L, or ladies' wheel, for the same uses, weighing 25 pounds; Model H, or semi-racer, weighing 21 pounds, high frame, &c., for road racing and general road use by experienced riders; Model J, or two-speed wheel, is a special feature of their 1895 line. In this wheel the gear can be changed by the touching of a lever while riding, dropping the gear from 68 or 72 to 52 or 56 as the rider may wish. It greatly facilitates hill climbing and riding against head winds. This device adds but little over a pound to the weight, and is extremely simple. They also have a tandem weighing 40 pounds, a very powerful and fast machine.

CRAWFORD MFG. CO.

At stands Nos. 78 and 79, the Crawford Mfg. Co., with factory and main office at Hagerstown, Md., and branch houses in New York and St. Louis, exhibit a line of eight bicycles, as follows: Crawford Nos. 19 and 20, Diamond and Drop frame, respectively; list, $75. Crawford Nos. 17 and 18, Diamond and Drop frame, respectively; list, $60. Crawford Nos. 11 and 22, Diamond and Drop frame, respectively; list, $50. Crawford Nos. 13 and 14, Diamond and Drop frame, respectively; list, $40.

WILLIAM READ & SONS.

William Read & Sons, No. 107 Washington Street, Boston, show their New Mail for 1895, which has been greatly improved, is of lighter weight, but detachable sprocket, adjustable handle bar, and a wheel fully up to date. They also have a full line of the Featherstone wheels, whose output they control in part, which they believe to be one of the best in the market, as they are all drop forgings.

POPE MFG. CO.

The Pope Mfg. Co., Hartford, Conn., maintain their name for excellence in the exhibit they make. Their display consists of thirteen wheels tastefully arranged so as to afford a close inspection by all the visitors. Of the thirteen wheels, seven Columbias are shown and six Hartfords. The Columbias consist of three Models 40, high, low and medium

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frames, weighing 21½ pounds; two styles of Model 41, one fully equipped, and the other without dress guards, weighing 21½ pounds; Model 42, a ladies' diamond frame, weighing 19½ pounds; Model 43, a tandem, weighing 38 pounds, and listed at $150; Model 44, the racer, weighing 17½ pounds, and listed at $100. The Hartford line exhibited, are patterns No. 1, regular road wheel, weighing 24 pounds, and



FIRST VICE-PRESIDENT A. G. SPALDING

listed at $80; pattern No. 2, Hartford ladies', weighing 24 pounds, and listed at $80; pattern No. 3, regular road wheel, weighing 27 pounds, and listed at $60; pattern No. 4, ladies' road wheel, weighing 27 pounds, listed at $60; pattern No. 5, boys' wheel, weighing 25 pounds, listed at $50; pattern No. 6, girls' wheel, weighing 25 pounds, listed at $50. The Columbia line shows the most radical changes and improvements over their last year's wheel, as they have entirely done away with the double tube frame. Among other features are the five and one-half inch tread, barrel hub, and a large crank-shaped bracket, which is fitted with three-eighths-inch balls. The wheels are all fitted with the Hartford single tube tires and Columbia saddles.

MONARCH CYCLE MFG. CO.

The Monarch Cycle Mfg. Co., New York and Chicago: The display made by this company is one of the finest. A large golden lion stands guard at the entrance. Fourteen wheels, representing five models, are exhibited; weights, 18 to 26 pounds; prices, $85, $100 and $125. The Monarch's 1895 line embodies no radically new features. The standard gear is 63 on the heavier, and 68 inches on the lighter wheels. Option of M. & W., Dunlop, G. & J. and New York tires is afforded. One of the "sells" of the show is exhibited by the Monarch Company—a wheel which is apparently of wood in its natural state, bark and all. Nearly every one has seized upon it as something decidedly novel, and unless otherwise informed, is left with the impression that something new in wooden wheels had been devised. As a matter of fact, the frame is of steel and the rims of wood. By some clever process and composition they have been given their appearance of rustic wood.

YOST MFG. CO.

The Yost Mfg. Co., Toledo, Ohio, have an attractive display. The booth is tastefully decorated. The productions shown by this company attain the general standard of excellency conceded to the Yost Co. The exhibit consists of five models of Falcon cycles: Light Roadster 4, 21 pounds, $100; Roadster 3, 24½ to 27 pounds, $85; Falconess (ladies' cycle), 27 pounds, $100; Falcon 5, 26-inch wheels, 21½ to 24 pounds, $65; Falconess 7 (ladies' cycle), 26-inch wheels, 25-pounds, $70; No. 4½, Racer, 17 pounds, $125. Society wheels with gold cranks are also shown.

REMINGTON ARMS CO.

The Remington Arms Co., New York, make an excellent display. The productions of this company are too well known to need a lengthy description. Three models are included in the Remington exhibit. The Road Racer weighs 23 pounds, and is their standard wheel, made upon the well-known standard Remington lines, with a 4 9-16-inch tread, 28-inch wheels, Palmer tires, Sager saddle, Perry chain, detachable sprocket and Remington pedals. This and the Ladies' Remington list $100. This latter is a double-truss frame, with the upper tube so curved as to allow plenty of room. The tread is 5½ inches. The Men's Light Roadster is identical in design and construction with the Road Racer, but has a 5¼-inch tread, and weighs 2½ pounds more. This lists at $90.

SCHOVERLING, DALY & GALES.

Schoverling, Daly & Gales, New York, occupy spaces Nos. 98 and 99, and show a full line of Gales, Sterling and Gotham wheels.

The Gales 24-pound roadster lists at $80; 21-pound roadster, guaranteed, $90.

Gales Ladies', 25 pounds, $85.

Gotham, 24 inch, 23 pounds, $40.

Gotham, 26 inch, 24 pounds, $50.

Gotham, 28 inch, 28 pounds, $60.

Sterling, from 20 to 25 pounds, at $100 to $125 list. This line of sundries is very complete, comprising everything for which there is any demand, and they have also some special leaders, particularly in Powell & Hammer lamps, for which they are American agents.

PEERLESS MFG. CO.

Peerless Mfg. Co., Cleveland, Ohio: Four models of Peerless and Triangle cycles: Model B B (racer), 17 to 18 pounds, $125; Model G, 21½ pounds; Model H, 25 pounds; Model K (ladies' cycle), 24 pounds; all above list $100.

CUSHMAN & DENISON.

Cushman & Denison, New York, show at stand No. 137 their "Perfect" Pocket Oiler, which has been still further improved for 1895, and is made in the very best manner possible. Price 25 cents. Also their "Star" Oiler, which is also a well-made oiler. It is one of the best of the medium grade oilers, and is largely used with the cheaper wheels. Price 10 cents each. They further show Oiler Holders and Pump Holders, to carry an oiler or a pneumatic pump on a bicycle, which will fit any wheel. Price 25 cents. The exhibit consists of their World's Fair case and their stand handsomely covered with plush. Joseph W. Cushman and Robert G. Grunert are in charge.

SNELL CYCLE FITTINGS CO.

The Snell Cycle Fittings Co., Toledo, Ohio, exhibit a very handsome case of complete bicycle fittings, including



SECOND VICE-PRESIDENT R. LINDSAY COLEMAN.

balls, heads, bottom brackets, pedals, lubricators, and, in fact, everything necessary for the building of bicycles. Also a case including every style of lamp they make, and a large board, framed like a picture, includes every kind of drop forgings that they manufacture. The exhibit also includes an adjustable handle bar, three new designs in pedals, and two new designs in lamps.

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EAGLE BICYCLE MFG. CO.

The Eagle Bicycle Mfg. Co., Torrington, Conn., exhibit their complete line. This comprises Model A, track racing machine at 17 pounds; Model B, a light road machine at 21 pounds. Both of these machines are built on the same lines. They have large tubing and detachable sprockets front and rear. Their other styles are model C, a substantial road wheel, weighing 23 pounds; Model D, a deep frame machine, and Model E a new and very beautifully designed ladies' wheel. They also show their patented Eagle, aluminum rims, in new styles for cemented tires, and also in new styles for Dunlap and G. & J. clincher tires. The Eagle cold-swaged frame has been further developed, and the frames of all their wheels are made under this process, which largely increases the strength of the frame and adds to the beauty of appearance. In addition to the above they show a tandem machine weighing under 40 pounds, of new and graceful design.

PLYMOUTH CYCLE MFG. CO.

Plymouth Cycle Mfg. Co., Plymouth, Ind. Models of Smalley cycles; Smalley Special, in two heights of frame, 21 pounds; Light Roadster, 24 pounds; Ladies' Smalley, 27 pounds; Ladies' Special, 23 pounds; all above list $100. Track Racer, 17 pounds, $125; Buck Racer, 19 pounds, $125; Model 1894, 25 pounds, $100; Racer, 28 pounds, $100.

SPALDING & CO.

A. G. Spalding & Co., Chicago and New York, representing the Lamb Mfg. Co., of Springfield, Mass., eight models of Spaldings and two of Credendas: Model A, 26 pounds; Model B, 25 pounds; Model C, 23 pounds; Model D, 22 pounds; all above list $100. Model E, (racer) 19 pounds, $125; Model F, (ladies') 26 pounds, $100; Model G, (ladies') 25 pounds, $100; Special, (built to order), $125; Credenda, 26 pounds, $75; Ladies' Credenda, 26 pounds, $75. Spalding Cyclometers and Spalding Chain Lubricant.

WARWICK CYCLE MFG. CO.

Warwick Cycle Mfg. Co., Springfield, Mass. Seven models of Warwick cycles: Model 21, roadster, high frame, 20 pounds; Model 22 (ladies' drop frame), 23 pounds; Model 23, roadster, low frame, 20 pounds; Model 24 (ladies' diamond frame), 20 pounds; all above list $100. Model 25, 25 pounds (roadster); Model 26 (ladies' cycle), 27 pounds; all above list $80. Model 27, racer, 26 and 28-inch wheel, 17s pounds, $125.

SYRACUSE CYCLE CO.

Syracuse Cycle Co., Syracuse, N. Y. Six models of Syracuse cycles: Syracuse Pacer, 23 pounds; Syracuse Thelma (ladies' cycle), 36-inch wheels, 22 pounds; Syracuse Model C, 27 pounds; all above list $100. Special Syracuse, 20 pounds; Syracuse Racer, 26-inch wheel, 15 to 18 pounds; all above list, $125. Syracuse Tandem, two styles, 36 styles, $150.

WOLFF & CO.

R. H. Wolff & Co., New York, three wheels; a 16-pound racer, 17½-pound Wolff Special and a 20-pound road wheel. Tread, 5 inches; gear, 68 inches; price, $100 and $125.

ANGLO-AMERICAN IRON AND METAL CO.

The Anglo-American Iron and Metal Co., New York, occupy space No. 30. They are sole United States agents for Perry & Co., limited, makers of the celebrated Pen steel Bushed Chains, and carry a full line of their goods and specialties. They exhibit all of their new patterns as exhibited at the National Show in London, containing a number of novelties. The exhibit comprises everything entering into the construction of a bicycle down to the very minutest detail. Finished parts, such as ball-steering heads, bottom brackets with plated cranks, racing and roadster hubs, pedals and other fittings, complete frame sets, consisting of various parts in the different stages of manufacture as shown, the Anglo-Humber frame set being their new 1895 model, strictly up to date, particular attention being called to the high finish of every piece, requiring little or no work on the part of the person assembling the various parts. This company, being agents for the following manufacturers, all of the latest patterns of their products are exhibited: Perry & Co., chains, hubs and fittings; Parker & Sanders, lamps and specialties; C. W. Bluemel & Brothers, universal transparent gear cases; Boston Wood Rim Co., stall laminated wood rims; Excelsior Needle Co., swaged spokes and nipples: American Pin Co., coasters, lubricators, ferrules and screw machine work; Persons-Muller Co., saddles and tool bags; Bevin Brothers Mfg. Co., bells, lamp brackets, trouser guards, etc.; Billings & Spencer Co., new pattern wrenches; Crescent Fire Arms Co., bicycle chains; Excelsior Steel Co., cold drawn and cold rolled steel. There are in attendance J. Friedenstein, R. H. Franklin, George Hees and J. Benedict.

WESTERN WHEEL WORKS.

The Western Wheel Works, New York, make a fine showing. The booth is decorated with electric signs and a mammoth electric-lighted crescent in the front of the spaces. In the rear is a very large brass sign announcing the name of the wheels and the makers, and a full nickeled Crescent Scorcher and Ladies' Crescent No. 4. The exhibit includes thirteen models of the Crescent line, men's and women's, the heaviest of all only weighing 23½ pounds. A regular high frame ladies' wheel, 22 pounds, is exhibited, and a special line for both sexes, with 28-inch wheels, at $50 each. The Crescent hubs are very light and small, and



TREASURER W A. REDDING.

the sprocket, the makers say, "is the lightest one on earth, and is entirely new and of their special design;" tread, 5½ inches; saddles, their own pattern and make. Besides these, will be the Juvenile wheels, consisting of the Junior and Pet, which list at $25 and $20, respectively. R. L. Coleman, president of the Western Wheel Works, will be in charge.

BUFFALO CYCLE CO.

The Buffalo Cycle Co., Buffalo, N. Y., show the Fleetwing and Envoy, besides other wheels; also Shamp saddles and an assortment of leading tires used. The Envoy is shown in 26 and 28-inch sizes, with 24-inch height of frame, and the Fleetwing in the same sizes, with 21-inch height of frame. The tread in both styles is 5¾ inches; the hubs are turned from bar steel, and the bearings dust proof. The sprockets are of the latest patterns.

AMERICAN DUNLOP TIRE CO.

The American Dunlop Tire Co., New York, exhibit a full assortment of the Dunlop detachable tires in the following weights: 28 by 1¾, 4 pounds to the pair; 28 by 1⅝-inch, 3½ pounds per pair; 28 by 1½-inch, 3 pounds to the pair; 28 by 1⅜-inch, 2 pounds to the pair. The company also exhibit a new valve which requires but a ⅜-inch hole in the rim, besides possessing a very large valve seat. It is fitted with the universal thread. The exhibit is very complete in all its details.

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W. H. WILHELM & CO.

W. H. Wilhelm & Co., Hamburg, Pa., exhibit their full line of wheels, viz.: Nineteen-pound Racer, 23-pound Road Racer, 28-pound Roadster, 26-pound Ladies', 42-pound Tandem and 45-pound Combination Tandem. These six wheels are four singles and two tandems. Singles, 19 to 27 pounds; price $100. Tandems, 45 and 47 pounds; price $125. The tandems are the feature of their exhibit. Wilhelm & Co. state that they have been amazed at the great number of inquiries which the display of their wheels of this type has created, and there is little doubt that the popular price of $125 will do much toward popularizing this machine. They are built in two forms; for two men and for a man and woman. Both are attractive-looking wheels, and appear of excellent value for the money. Both are double steerers. In the singles, nothing particularly new is in evidence. Wood rims will be used almost exclusively. The tread has been narrowed to 5¾ inches. Sixty-three inches will be the standard gear.

AMES & FROST CO.

Ames & Frost Co., Chicago, Ill., occupy space No. 95. They show their complete line, which consists of the following:

Model 15, road wheel, wood rims, weight 25 pounds.

Model 16, road wheel, steel rims, weight 26½ pounds.

Model 17, road wheel, 23 inch frame, wood rims, weight 25 pounds.

Model 18, light racer, wood rims, weight 19 pounds.

Model 19, road racer, wood rims, weight 22 pounds.

Model 20, ladies' wheel, wood rims, weight 23 to 25 pounds.

These goods are shown by the Eastern traveling man, W. H. Killin, and also Albert W. Moore. F. L. Bryant, secretary and superintendent, is also in attendance, and is fully prepared to answer all questions regarding the merits of Imperials.

H. G. SHEPARD & SONS.

H. G. Shepard & Sons, New Haven, Conn., show a large number and great assortment of Bicycle Wood Rims, and have a big display of wood dress guards for ladies' wheels. This is comparatively a new departure in cycle making, and appears to be one of the greatest improvements made since the introduction of wood rims. They certainly beautify and add much to the harmony of a ladies' bicycle. They also show remarkable specimens of wood bending, and among others, a piece to which is attached a placard offering $100 in gold to any wood rim maker in America who will duplicate the same. This firm took the highest award for wood-bending given at the Paris Exposition in 1888, and show the diploma and silver medal that were awarded them at that time. Their exhibit is one that will interest any bicycle manufacturer who likes to see good work.

HULBERT BROTHERS & CO.

Hulbert Brothers & Co. are showing their line of Majestic wheels. Their No. 6 Majestic is their men's model of '95 wheels, which model has been brought up to date, has a high frame, and the weight is 23 pounds; lists $75. Majestic No. 7 the '95 ladies' wheel, is built of entirely new design, in which the frame has been very much strengthened from last year's pattern. The weight of this wheel is 25 pounds and the list is $75. No. 7 Majestic wheel is their new light men's racing wheel, '95 model. This wheel is of extra fine finish, and weighs 19 pounds; list $100. They are also exhibiting a number of bicycle specialties of their own manufacture, with wrenches, trouser guards, pumps, etc.

DAVIS & STEVENS MFG. CO.

The exhibition of the Davis & Stevens Mfg. Co., Seneca Falls, New York, consists of the well known Cyclone Foot Pumps, Nos. 1, 2, 3 and 4, and the Tornado and Tornado Jr. Floor Pumps. They also show the Power Cyclone No. 1, connected to an air tank filled with compressed air and ready to fill all tires on exhibition wheels, free of charge; also nipples and clamps to connect all their pumps to all kinds of tird valves. Special hose for cycle pumps (their own patent), and all sizes of cupped plunger leathers for air pumps. They are also selling agents for the "Perfect" Pneumatic Saddle, which is on exhibition in space No. 49 with them. F. N. Stevens has charge of the exhibit.

L. C. SMITH TIRE CO.

L. C. Smith Tire Co., Syracuse, New York: This company show at stand No. 10, the well-known L. C. Smith Detachable Tire in four sizes and four weights, ranging from three to four pounds. They say that their tire is especially adapted to wood rims, being so constructed as to allow the use of a small, neat, wood rim, and with the aid of a light weight steel shifting band, the liability of splitting the rims is reduced to a minimum. They also display several wheels fitted with their tires. Their stand is in charge of C. A. Benjamin, manager, assisted by two other gentlemen.

BRIDGEPORT GUN IMPLEMENT CO.

The Bridgeport Gun Implement Co., New York, display a fine line of Bridgeport Cyclometers, in three models, A, B and C. Model A registers one thousand miles and repeats, or can be set back to zero at will; Model B has a bell attachment which rings at every mile; otherwise it is the same as Model A; Model C registers ten thousand miles and repeats. This cyclometer is designed for touring wheelmen and club mileage records. The company also exhibit lamp brackets, wrenches, oilers, whistles, lubricants, etc., in a most attractive manner.

NEW DEPARTURE BELL CO.

New Departure Bell Co., Bristol, Conn. This company exhibit a full line of their Bicycle Bells and Lucas Lamps. The bells are of their own manufacture, and they are the sole representatives of the United States for the Lucas Lamps. They are bringing out this year a new bell called the "Midget," which only weighs three ounces, and which is entirely new in its construction and operation, and sells for a low price. The exhibit is in space No. 26.

RELAY MFG. CO.

The Relay Mfg. Co., Reading, Pa., occupy space No. 88 in charge of John R. Miller, president, J. George Ziegler, general manager, and William Laramy, one of their traveling force. Their line consists of the Special, 21½ pounds, Roadster, 25 pounds, Crown, 26 pounds, and the Ladies', at 25 pounds. At the Chicago show their visible ball bearings attracted great attention, as well as their reversible, interchangeable and detachable sprocket.

M'MULLEN & CO.

R. B. McMullen & Co., New York and Chicago, are the selling agents for the Garford Mfg. Co., Elyria, Ohio; the Hunt Mfg. Co., Westboro, Mass.; the Indianapolis Chain and Stamping Co., Indianapolis; C. J. Smith & Sons. Milwaukee, Wis.; the Union Drop Forge Co., of Chicago; the Shelby Steel Tube Co., Shelby, Ohio., and the Hartford Rubber Works, of Hartford, Conn. The products of all these concerns are shown.

THE CLIMAX STOPPER CO.

The Climax Stopper Co., Nc. 22 College Place, New York show their folding luggage carrier. It is made of aluminum, weighs but four ounces, and is easily adjusted. They also show the Climax Combination Brake, Coaster and Lock. This device is a foot brake so arranged that it can be used for locking the wheel when the same is not in use. It is made of Crescent steel and is nickel-plated.

M'KEE & HARRINGTON.

McKee & Harrington, Lyndhurst, N. J., show a Special Racer, full nickel, 17½ to 18½ pounds, $135; Semi-Racer, 21 to 22 pounds, $125; Light Roadster, 24 to 25 pounds; Roadster, 28 pounds; Lady Lyndhurst, rattan guard, 26 to 28 pounds; Lady Lyndhurst, special, without guard, 21 to

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22 pounds; all above list $100. Lady Lyndhurst, special with guard, 22 to 23 pounds, $115.

UNION CYCLE MFG. CO.

The Union Cycle Mfg. Co., Boston, show their 1895 Union Crackajack in three heights of frame, namely: 22-inch, 24-inch and 26-inch; a new road wheel, which weighs 20 to 21½ pounds; also the Improved Special, which has been largely used by Sanger and Tyler. Also their Model A, a 26-pound roadster; besides a new model ladies' wheel; weight, 23 pounds.

BOSTON WOVEN HOSE & RUBBER CO.

The display made by the Boston Woven Hose & Rubber Co., Boston, consists of four styles of tires, the Vici, Neverslip, Evertite and a hosepipe single tube. The tires are made in the following sizes: 26-inch, 1¾, 1⅝ and 1½; 28-inch, 1¾, 1⅝ and 1½. The weights range from 3 pounds to 4½ for both front and rear tires. They are fitted with Vici and "T & T." valves.

ST. LOUIS REFRIGERATOR & WOODEN GUTTER CO.

The St. Louis Refrigerator & Wooden Gutter Co., St. Louis, Mo., exhibit their Lu-mi-num Cycles in seven models, comprising racers, roadsters and ladies' wheels, with weights running from 15 to 25 pounds. The frames, forks, handle bars and seat posts of these machines are made of a special aluminum alloy containing 96 per cent. of aluminum.

HITCHCOCK MFG. CO.

The Hitchcock Mfg. Co., Cortland, N. Y., exhibit eight wheels, five of the regulation pattern, and three Motor cycles. The regular line comprises the Emperor and Empress, Cortland and Lady Cortland, Emperor Special, two-wheel and tandem Motor cycles, and four wheel Victoria; also a large display of wood rims.

WALTHAM MFG. CO.

The Waltham Mfg. Co., Boston, Mass., display five models of Orient Cycles, with unusually large balls in bearings, so that the cone only touches each ball in one place, while the ball itself has only two points of contact, thus reducing friction. The handle bar is also adjustable, capable of being readily changed to any desired position.

CORTLAND WAGON CO.

The Cortland Wagon Co., Cortland, New York: Exhibit consists of their Diana Wheels AA., BB., CC., at $100, and A, B, C, at $75. These wheels weigh from 17 to 25 pounds, and are built in 22 inch, 24 inch and 26 inch frames. They also show both finished and unfinished parts. E. B. Richardson is in charge.

STERLING CYCLE WORKS.

The Sterling Cycle Works, Chicago, Ill., exhibit the following specimens of Sterling Cycles: Model L, ladies' 26-inch wheel, 25 pounds; Model G, 26 pounds; Model K, 23 pounds; Model I, 22 pounds; Model H, racer, 19 pounds. The wheels are shown in a variety of finishes, including white enameled.

BLACK MFG. CO.

The Black Mfg. Co., Erie, Pa., exhibit nine samples of Tribunes. They also display parts in all stages of construction. The machines are made in 21½, 24 and 26½-inch heights of frame; the hubs are cut from bar steel, the sprockets are cyclodial, and the tread five inches. The wheels show careful finish.

G. W. COLE & CO.

G. W. Cole & Co., New York and Chicago. This exhibit includes a large line of anti-rust, cleaning and lubricating compounds for bicycles and other fine machinery, known to the trade as "3 in 1." This company also shows a rust remover and polish for nickel, steel, iron, brass and other metal, which is called "R. R."

RICH & SAGER CO.

The Rich & Sager Co., Rochester, N. Y., have in their booth a nickel-plated revolving stand, upon which they expect to display their saddles with good effect. They also exhibit the Beauty Child's Seat, Sager Toe Clips, Sager Pneumatic Pads andother specialties.

MECHANICAL FABRIC CO.

The Mechanical Fabric Co., Providence, R. I., occupy space No. 154. Their exhibit consists of Flexifort Inner Tube Tires, Conqueror Hose-pipe Tires, Tubes, Valve Stems, etc. There are in attendance Allan Aldrich, Arthur E. Friswell and Edward B. Kelley.

ELASTIC TIP CO.

The Elastic Tip Co., Boston, show a full line of repair kits, oilers, wooden rim cement, rubber solution, wooden rims, tool bags, wrenches, and, in fact, a full and complete line of sundries. One of the special features of the exhibit is the Midget repair outfit.

UNITED STATES TIRE CO.

United States Tire Co., No. 33 Barclay Street, New York, occupy space No. 129, and show the United States mechanically fastened tire, comprising road tire, road racing tire and track racing tire; also tires for sulky wheels. A. J. Cahill, general manager, is in charge.

WILLIAMS & CO.

J. H. Williams & Co., Brooklyn, N. Y., show a very complete line of drop forgings, including bottom brackets, crowns, chain-adjusting screws, head clamps, head lugs, hubs, pedal cranks, rear fork ends, rear fork lugs, saddle post brackets, sprocket wheels, etc.

NEWTON RUBBBR WORKS.

The Newton Rubber Works, Newton Upper Falls, Mass., exhibit a full line of tires, single tube, double tube and detachable; also a line of sundries, including pedal rubbers, handles, patching rubber, rubber cement, tire tape, etc.

HUNT SADDLE CO.

The Hunt Saddle Co., Westboro, Mass., show a large line of their saddles and tool bags, among which are found several decided novelties for 1895 as well as marked improvement on former standard patterns.

COLUMBIA RUBBER WORKS.

The Columbia Rubber Works, Chicago and New York, exhibit a fine line of tires for which they are agents. The display includes the Akron, A. and B. Palmer and Simplicity 47, G. & J. Perkins and Frazier tires.

E. C. STEARNS & CO.

E. C. Stearns & Co., Syracuse, N. Y., show several styles of Stearns Cycles: Model A, 23 pounds; Model B, roadster, 28 pounds; Model C, Stearns Special, drop frame, 23 to 28 pounds; Model D, 19 pounds; Stearns Tandem, 40 pounds.

EXCELSIOR NEEDLE CO.

Excelsior Needle Co., Torrington, Conn., make a small but interesting exhibit, consisting of a design made entirely of their products—spokes and nipples in a large frame, set upon an easel.

MORGAN & WRIGHT.

Morgan & Wright, Chicago, have made no effort at display, occupying a space largely for the purpose of meeting their friends. They explain a new quick-repair scheme and a five-buggy tire. Mr. Herrick is in charge.

HILL CYCLE MFG. CO.

The Hill Cycle Mfg. Co., Chicago, Ill., exhibit a large line of Fowler Bicycles. Two samples of these are displayed; also their boys' and girls' wheel.

GORMULLY & JEFFERY MFG. CO.

The Gormully & Jeffery Mfg. Co., Chicago, New York and Washington, exhibit the Rambler and a full line of tires and sundries.

EASTERN RUBBER MFG. CO.

The Eastern Rubber Mfg. Co., Trenton, N. J., exhibit the Rex, Arrow, Climax and Universal Tires.

NEW YORK TIRE CO.

The New York Tire Co., New York, show the New York Tire and Pneumatic Tired Carriage Wheels.

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THE GARVIN MACHINE CO., NEW YORK.

The Garvin Machine Co., New York, exhibit a large line of bicycle machinery for the making of hubs, spokes, spoke nipples, sprocket wheels, and nearly all the necessary machinery used in the construction of cycles. They also show the revolving stand of photographs that constituted their sole exhibit at Chicago. One of the features of this display consists of two strings of uncut bicycle hubs each 20 feet long.

STANDARD WATCH CO.

New York Standard Watch Co., No. 11 John Street, New York, display the "Standard" Cyclometers and Bicycle Watches. A taking feature is a bicycle run by electricity, at twenty-five miles per hour, showing the working of a cyclometer. There is also a large wheel six feet in diameter, constructed like a bicycle wheel, on which are fastened three hundred cyclometers made in nickel and gilt, lit up by electricity. E. T. Webbe is in attendance. Space No. 49.

The first great Show is in progress with a large and interesting attendance as we go to press. Further information, with report of the annual meeting of the organization having it in hand, must be reserved for a later issue.

Hardware Club Notes.

The following list gives the names of those elected to membership in the Hardware Club on January 15, 1895:

S. R. Droescher, No. 58 Warren Street.
Wm. R. Hill, No. 64 Reade Street.
Joseph Milbank, No. 11 Pine Street.
John J. Gilroy, No. 101 Front Street.
Wm. S. Fearing, No. 100 Chambers Street.
Geo. B. Mead, Jr., No. 71 Hudson Street.
Brewster Maverick, No. 176 Fulton Street.
Lewis R. Speare, Boston, Mass.
W. A. Redding, Potter Building.
E. M. Burrall, Waterbury, Conn.
Theo. K. Russell, No. 31 Nassau Street.
Benj. R. Western, No. 111 Liberty Street,
Mfrs. Advertising Bureau.

The following gentlemen will act as a reception committee for the Hardware Dinner to be held at Sherry's on the evening of January 31st: Peter McCartee, chairman; Robert Sickels, James D. Foot, George J. Laighton, Frank J. Oliver, T. J. Atkins, Terence F. Curley. The committee are requested to be on hand at 5:30 P.M., sharp.

Tickets for the dinner are now ready, and can be had by subscribers upon application to the clerk at the Hardware Club.

A New Partnership.

William H. Cole, who has managed the business of the firm of Tower & Lyon, No. 95 Chambers Street, during Mr. Tower's long illness, and Charles S. Gallager, have been taken into partnership by Mr. Tower. Mr. Gallager has been in the employ of the firm for many years, taking charge of the large trade. He is well known, having been associated with the trade for over twenty-five years. Mr. Gallager will continue to look after the large trade in the interest of the house. The new firm will continue under the old name, and will still represent the Union Hardware Co., Torrington, Conn., as their selling agents. Mr. Tower is one of the directors of the company.

David Eastman, No. 64 Reade Street, New York, has become agent for Stropine, that well-known razor strop dressing manufactured by the Stropine Co., Boston. Mr. Eastman is a live, energetic man, and in this case it seems to us a good article has fallen into good hands.

Morgan L. Ott and William P. Heiskell, leading Hardware merchants of Wheeling, W. Va., were among the recent visitors at the Hardware Club.

Hardware Merchants' & Manufacturers' Association of Philadelphia.

NINTH ANNUAL DINNER GIVEN IN PHILADELPHIA, WITH GREAT SUCCESS.

ELECTION OF OFFICERS.—SPEECHES BY LEADING REPRESENTATIVES OF THE TRADE GIVEN IN FULL.—AN EVENT TO BE LONG REMEMBERED.

The Hardware Merchants' & Manufacturers' Association of Philadelphia held their annual election of officers on January 15th; the elections were unanimous. The following officers were chosen: Wm. W. Supplee, president, second term; Samuel Disston, vice-president, and T. James Fernley, secretary-treasurer. The ninth annual dinner of the Association was given on the evening of January 23rd at the Manufacturers' Club in Philadelphia and proved a brilliant affair.

The guests had no trouble in knowing that it was a Hardware dinner they were attending, as evidences of the trade met their eyes wherever they turned. Besides the beautiful decorations of palms, carnations, roses of all hues, smilax, tulips and many other hothouse productions, the dining room was uniquely trimmed with files of all sizes and descriptions supplied by the McCaffry File Co. and by G. & H. Barnett; lawn mowers furnished by the Pennsylvania Lawn Mower Co. and Enterprise Mfg. Co.; hammers donated by Fayette R. Plumb; saws from H. Disston & Sons; and a Crimson Rim bicycle, for which the Supplee Co. are agents, occupied a prominent place. The Kearney & Foot File Co. presesented each guest with a neat aluminum match safe with his monogram engraved thereon, and the Keystone Dog Collar Mfg. Co. furnished beautiful dog collars which served as napkin rings. Many of the guests carried away hammers, files, saws aud other articles as souvenirs of the occasion. Philadelphia has been accused of slowness, but in hospitality she is in the front rank. All who journeyed over to the Quaker city as guests of the Association will bear out the above statement.

At the plate of each diner was a neatly gotten-up menu, tied with red or white silk cords and tassels. In it were found the names of the members of the Association and of the guests, as follows:

GUESTS.

C. A. G. Riege	Archibald Paull Mitchell,
H. N. Barnett,	H. E. Asbury,
R. H. Spurgeon,	C. W. Asbury,
Geo. S. Windle.	R. R. Williams,
Alfred W. Barnett,	Wm. H. Magoffin,
Henry W. Scattergood,	Walter F. Hull,
Henry W. Gosling,	Chas. H. Reckefus, Jr., M. D.
Samuel E. Carver,	Wm. V. Sauter,
Jas. D. Green,	F. K. Mears,
W. D. Walkley,	Jacob M. Vogdes,
W. H. Williams,	John P. Murta,
Thomas Walter,	T. A. Fernley, D. D.,
Joel J. Bailey,	Frank G. Drew,
J. Wesley Supplee,	A. N. Diller,
J. C. Bowe,	Edward H. Remsen,
Frank W. Huff,	Silas W. Pettit,
Frank West,	James Pollock,
Charles F. Warwick,	Major E. A. Hancock,
Walter T. Bradley,	H. C. Marshall,
Wm. Steele,	Dr. H. E. Goodman,
Wm. R. Howell,	Stanley G. Hurlburt,
John Roberts,	Walter E. Rex,
R. O. Moon,	Thomas Hobson,

R. H. Robson.

The full page diagram here given shows the arrangement of the tables. The menu needs no praise; it speaks for itself.

MENU.

Huitres en Coquilles.

Potage. Hors d'Ouvre.
Consomme Deslignac. Petits Bouchees a la Reine.

Poisson.
Bass Rayee a la Briston. Cucumbers.

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Releve.

Filet de Bœuf a la Richelieu, Moderne. Pommes au Gratin.

Punch au Kirsch.

Entree. Roti.

Terapene a la Philadelphia. Quailles au Cresson.

Salade. Fromages.

Laitue a la Mayonnaise. Roquefort et Brie.

Glace et Gateau Assortis.

Cafe Noir. Cigars.

TOASTS.

1. INTRODUCTORY REMARKS.....MR. WM. W. SUPPLEE
Pres. of the Association.
"Happy is Rome of all earth's free States
To have so true and great a President
For her inferior spirits to imitate
As Cæsar is."—B. Jonson.

2. TRUSTS—Are They Beneficial?.....MR. FAYETTE R. PLUMB
Ex-Pres. Association.
"Wilt thou make a trust a transgression?"—Much Ado About Nothing.
"The mouse that only trusts to one poor hole
Can never be a mouse of any soul."—Pope.

3. CLUB LIFE—What are its Advantages?.....MR. SILAS W. PETITT
Pres. Union League.
"I'll dine above with you to-day.
And shrive you a thousand idle pranks."—Whittier.

4. POLITENESS .....MR. LOUIS W. KLAHR
"He is just polite enough to be able to be very unmannerly with a great deal of good breeding."—The Jealous Wife.

5. TENOR SOLO.....Mr. JOHN R. GRIFFITH

SHORT ADDRESS.....MR. CHAS. F. WARWICK

6. POLITICS AND BUSINESS.....MR. WM. H. WILLIAMS
Pres. New York Hardware Club.
"Fitness to govern is a perplexed business."—Bacon.

7. REMINISCENCE.....MR. SAMUEL DISSTON
Vice President of the Association.
"Exceeding wise, fair spoken, and persuading;
Lofty and sour to them that loved him not;
But to those men that sought him, sweet as summer."—Henry VIII.

8. OUR ASSOCIATION—Is it Successful?.....MR. T. JAMES FERNLEY
Secretary-Treasurer.
"There are many objects of great value to man which cannot be obtained by unconnected individuals; but must be attained, if attained at all, by association."—Daniel Webster, [speech, Pittsburg, 1833.]

9. BARITONE SOLO—"Answered".....MR. J. H. VAN NEWKIRK

10. SOCIAL INTERCOURSE—Does it Promote Longevity?
"I am Sir Oracle MR. JAMES POLLOCK
And when I ope my lips let no dogs bark."—Shakespeare

11. AFTER DINNER SPEAKING—Does it Aid Digestion?
MR. ALFRED C. REX.
"Then I commended mirth, because a man hath no better things under the sun than to eat and to drink and to be merry."—Solomon.

12. FINANCE—What do I Know About it?.....MR. R. R. WILLIAMS
Hardware Editor, Iron Age.
"Oh, what men dare do?
What men may do?
What men daily do?
Not knowing what they do."—Much Ado About Nothing.

13. TENOR SOLO..... MR. STANLEY G. HURLBURT

14. TAXATION—Is it Policy to Tax Manufacturers?
MR. FRANK H. TAYLOR
"A little harm done to a great good end
For lawful policy remains unacted."—Lucrece.
"You will be whipped for taxation one of these days."—As You Like It.

15. OUR QUAKER CITY FRIENDS—What Does Thee Think of Our Yearly Meeting?.....MR. ARCHIBALD PAULL MITCHELL
President HARDWARE Publishing Co.
"The grace of Heaven
Before, behind thee on every hand
Enwheel thee round."—Othello.

16. THE SWEET BYE-AND-BYE—What Shall the Harvest Be?
MR. JAMES H. RITTER
"The weary sun has made a golden set
And by the bright track of his fiery car
Gives tokens of a goodly day to-morrow."—Richard III.

The first speaker was William W. Supplee, of the Supplee Hardware Co., and president of the Association. He spoke as follows:

PRESIDENT SUPPLEE'S OPENING REMARKS.

Gentlemen of the Hardware Merchants' and Manufacturers' Association and Invited Guests: I desire to extend to all present a sincere and cordial welcome to this the Ninth Annual Banquet of our Association. To those invited guests who have honored us with their presence and joined for the evening our loyal circle, I desire in the name of the Association to extend an especial welcome. I take pleasure, this the first opportunity since our recent election, January 15th, to thank the members of the Association for again selecting me as their presiding officer. By a wise provision in our by-laws no one person is eligible for the position of president more than two successive terms. You have, therefore, conferred upon me the highest possible honor in your power, and I will in the future, as in the past, do my utmost to promote and retain your respect and esteem.

Since I stood before you one year ago we have added largely to our membership, and have taken the lead through our charter to become the first incorporated Hardware association in the United States. We may also look with pride upon our being the oldest living Hardware association in the country, and I have no doubt that our business and social success has paved the way, prompted and encouraged other local associations that have more recently come into existence. We trust that all these may be as fortunate as ourselves, for you well know that during our monthly meetings, while important matters have come before us nothing but the most perfect harmony has prevailed.

Among the associations more recent than ours the New York Hardware Club stands prominently before the country, and is represented by its popular president here tonight. This Club is entitled to great credit, especially in having extended its broad field of operation beyond its own State borders, and its phenomenal success is shown by the list of representative members, as well as by the handsome, commodious and luxurious club rooms recently occupied. Following the example of extending its field of usefulness the New England Hardware and Iron Club has thrown out its branches which now reach over the entire New England States. The Southern Hardware Jobbers' Association has grafted upon the tree of local rivalry and antagonism the luscious fruits of business harmony and social intercourse. Recently a number of the representative wholesale Hardware houses of the United States found rooted in our productive soil the desire for a National Hardware Association, and are now asking the loyal support of the trade. Young as the tree is, and rapid is its growth, I feel its branches will soon extend over every State in our beloved country. The benefits of this new association I predict will be of no narrow compass.

The avenues of trade are crowded with the busy throng. When once you enter retreat is dangerous. In the bitter struggle for trade one may fall by the wayside, but retreat against the surging crowd may be disastrous. Bandits may lurk in the dark corners, guerilla warfare even arise, partisan incompetency or insincerity may riddle you with bullets. impediments from conflicting State statutes may confront you.

Then why not improve the roads of progress wherever practicable, and light the avenues with all possible facilities? No one man or set of men can accomplish these desired results alone. While there are various grades of houses, there are various grades of intelligence, and the good Lord does not always confine the largest intellect to the biggest body.

The quotation below my name on the menu reads as follows:

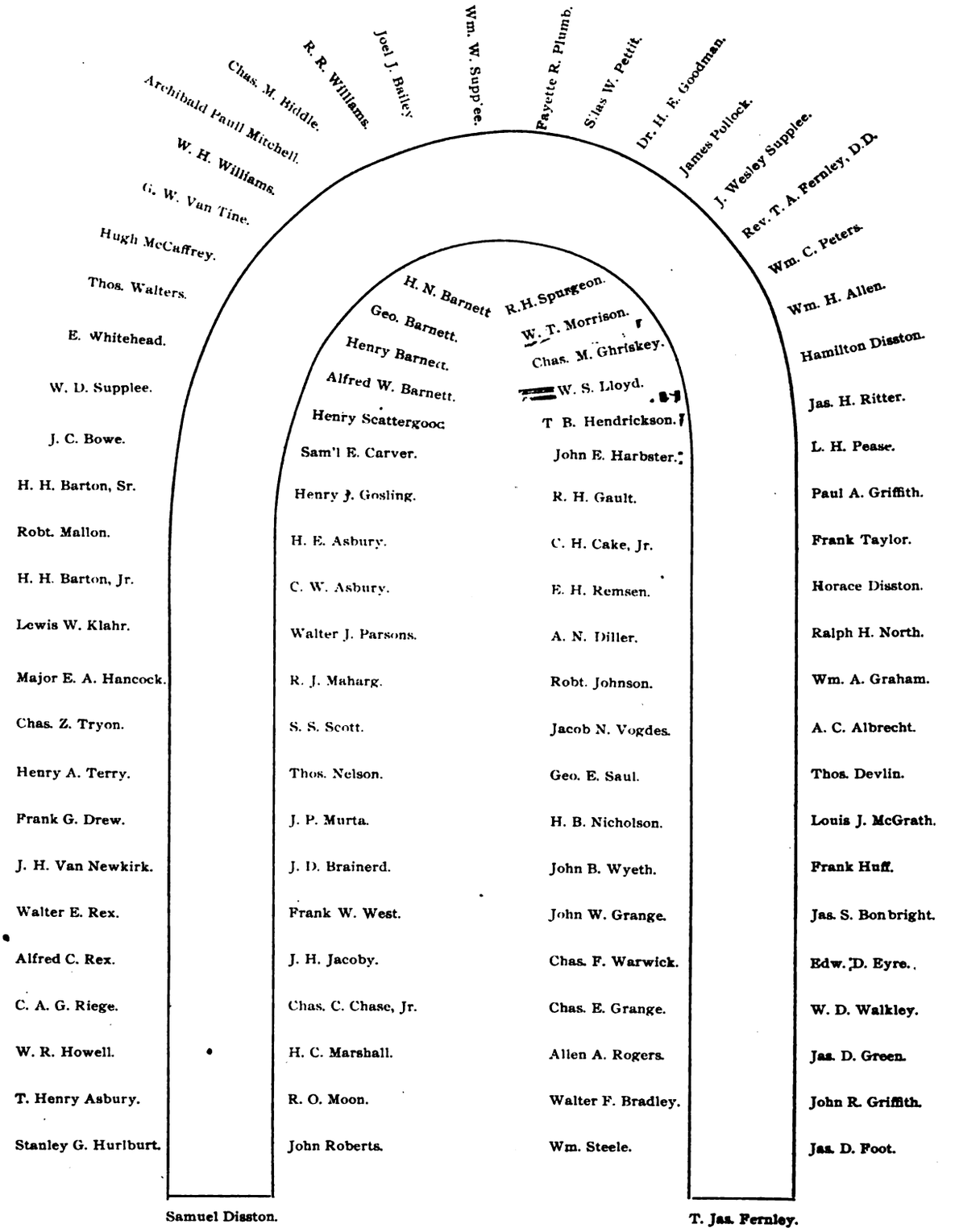
"Happy is Rome of all earth's free States, to have so true and great a president for her inferior spirits to imitate, as Cæsar is."

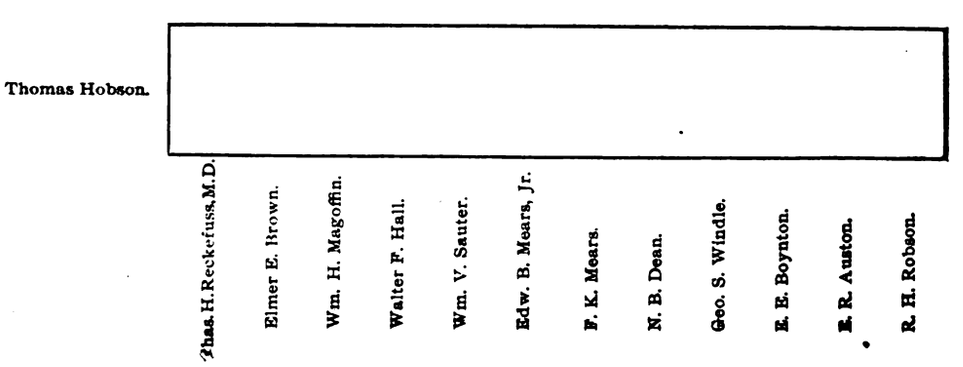
This you will admit is rather ambiguous and flattering at the hands of friends. A few weeks ago a prominent divine of our city took for his text, "Ye are known by your fruits." In our modern times he might with equal truth and force have taken a text, "Ye are known by your friends." Who but kind friends have placed me in the position I occupy tonight? Who but kind friends, without any knowledge on my part, placed me as the initial standard-bearer of the National Hardware Association of the United States? It is kind friends that make desirable fruits possible. Who but kind friends pressed the great honor of the presidency of the Union League upon the shoulders of one of our honored guests? and who but his friends distanced his illustrious and distinguished rival?

In the words of Rambler, "There can be no friendship without confidence. There can be no confidence without integrity."

I desire once more to thank my friends for their generous and flattering estimate of my efforts. As you will notice from the list of toasts upon the menu, I am expected to rise twelve times during the evening. Will therefore no longer encroach upon valuable time.

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The next speaker, Fayette R. Plumb, ex-president of the Association, spoke on Trusts—"Are they Beneficial?" He spoke as follows:

Mr. President, Gentlemen and Invited Guests: The subject assigned me is such a profound one, calling as it does for deep thought, combined with thorough knowledge of the points to be considered, that I feel like Robinson Crusoe when he was cast on a desert isle. Combinations are a benefit to the public. It means a decrease of expense which means a reduction of prices to the consumer, which means a benefit to all. This bears the same relation to all as protection does to American labor. If you shut out foreign competition you strengthen the hands of American labor. Consolidations sometimes preserves existence. In closing he paid the following tribute to President Supplee: "May the star of destiny continue to cast its radiant beams across his pathway until it guides him to success which his highest ambitions dictate."

MR. PETITT'S REMARKS.

The next on the list was Silas W. Pettit, president of the Union League of Philadelphia. His remarks were on "Club Life—What are its Advantages?" He said that speaking of this subject was like carrying coals to Newcastle. Clubs have existed ever since the time when ancient Athens was the metropolis of the civilized world, and before the Christian Era. Men in different stations of life meet on a footing of equality in club life.

Louis W. Klahr, of the Klahr Hardware Co., was the next speaker. His theme was "Politeness," upon which he spoke as follows:

LEWIS W. KLAHR ON "POLITENESS."

GENTLEMEN: I must confess I have had all the conceit taken out of me with regard to making any remarks here this evening. I asked one of my particular friends what he thought of my subject. "Well," said he, "it is a pretty good subject, but if it had been 'Gall' it would have been much more appropriate." Now I wish it perfectly understood that, by example, I do not consider myself the proper exponent or champion of politeness, but to those who know and believe that, I would simply say, "Do not as I do, but do as I say."

Politeness is the finishing touch to a man's character, the same as an artist gives his picture. It is polish to a man, grace to a woman, and manners, refinement and good sense to both. It is the essence, or the positive current, of that rare gift called magnetism. To be worth anything politeness should be constant and regular. To be cordial one time and indifferent another, to meet one's acquaintances to-day with a smile, and to-morrow with a countenance as stoical as that of an Indian, counts for nothing.

Politeness can cover a multitude of defects. Accompanied with charming manners, a face not fair can even handsome seem. If the traditional politeness of the ancient highwayman is to be believed, it even made his calling respectable. We would be polite if for no other than selfish reasons. This would lead us never to forget the importance of people. We can never know when we may want the good will of any man, and if we are wise we will not overlook the most humble. "Fleas may not be lobsters, but there are an awful sight of them, and they all have votes." Common politeness is the thing; politeness in public as well as private. No politeness is so much appreciated as that from strangers. If there is any custom worth importing from abroad it would be that of bowing at a public table when leaving it. Some people confuse servility with politeness. Agreeing always with one's friends is not necessarily courtesy. An honest difference of opinion is not at variance with politeness. The close observer of character is suspicious of the man who bows too low. Full well he knows that men can "fawn and flatter while they hate;" and apropos to this some one says: "The same teeth that adorn a smile are most useful in a snarl."



WILLIAM W. SUPPLEE, PRESIDENT.

Politeness can be gallantry, can be reverence, can be hospitality, and *is* humanity.

The proverbial witty Irishman, who ne'er drank his coffee sweetened, when asked by the pretty waiting maid, if he would have sugar in his cup, answered it was already full of sweetness, for sure hadn't she looked into it? A polite refusal full of gallantry. The humble street cleaner on the streets of Paris, when he politely lifts his hat at each passing hearse with its mournful freight of inanimate clay, gives us a touching example where politeness is synonymous with reverence. And the Kentucky Colonel, when he turns his back upon his guest after handing the dark green bottle containing his State and national beverage, so as not to embarrass his friend as to the size of his drink, well can we say "and *this* is hospitality."

Then the Immortal George, even he of truthful fame, who to all his other firsts, should have added "first in politeness," when tipping his hat in response to his colored laborer, and having it remarked upon by a companion, replied, that he never allowed himself to be outdone in politeness by any one, struck the key-note of my whole subject, and it certainly was Humanity.

REMARKS OF MR. WARWICK.

Charles F. Warwick, who is a candidate for Mayor of Philadelphia, next made a few remarks.

BUSINESS AND POLITICS: DISCUSSED BY WILLIAM H. WILLIAMS.

W. H. Williams, of the Van Wagoner & Williams Hardware Co., N. Y., and president of the New York Hardware Club, spoke on "Politics and Business." He prefaced his remarks by saying: "I do not come here where business has been reduced to a science and politics to an art, to teach, but rather to learn. I speak as a business man to a busi-

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ness man and as a politician to a politician." He then said:

The business life of a nation in this age of modern ideas and modern improvements is so interwoven with its political life, and the interests which control the one influence to so great an extent the other, that we are justified in regarding them as inseparable factors in a civilization whose progress and development concern alike all members of society. It is therefore a question not to what extent a business man may take an interest in public affairs without prejudice to his position in the commercial world, but rather to what extent can he keep aloof from them without prejudice to his business interests, and without neglecting his duties to the State.

Politics has been broadly and justly defined as the "science of government," and also as "the management of a political party," and a political party as "one of the parts into which a people is divided on questions of public policy."

It will not be denied that so long as there exists in the human family diversity of taste, of interest, and of opinion, so long will there exist political parties. To-day they may be known by one set of names, and to-morrow by another, advocating or combatting policies and principles, but always with us, commanding our attention and influencing our fortunes whether we will or no.

Wisely, I think, but whether so or not, ours is a government by parties, and the responsibility for the purity, efficiency and wholesomeness of the party is laid upon the citizen; and so it is that politics has claims upon us equal to those of church, of business, of society, or of home. We cannot ignore them and be true to God or country.

As the fireside of our home is the altar from whence flow the influences which ennoble human life and dignify human endeavor, so from the political primary which is the fountain head of our political life, go the influences which shape parties and determine our national character. He who shirks his duty to his party, or keeps aloft from all parties, does not, in my opinion, deserve the protection he receives from his government, in life, liberty, the prosecution of his vocation or the pursuit of happiness.

Far too many men are content to be "obscurely good." They take a cowardly refuge in Addison's lines: "When vice prevails and impious men bear sway, the post of honor is the private station," instead of bearing a manly part in the endeavor to dethrone vice and relegate "impious men" to the rear.

I am not one of those who decry partisanship in business, in religion or in politics. I do not think it is necessarily allied to bigotry or to prejudice. Within limitations prescribed by conscience and by intelligence I believe it to be one of the most powerful auxiliaries which the cause of human progress has had. To my understanding partisanship means believing something and standing by what you believe, and I do not see why it does not hold good in politics as in other things.

No great cause has ever succeeded, no great reform has ever been accomplished without its aid. The partisanship of the brave and indomitable patriots who met in yonder Independence Hall made possible the American Revolution, and in every important epoch of history, unflinching advocacy of what men believed to be right, which is but another name for partisanship, has led the way to the ultimate triumph of the right.

The wisdom and experience of the ages, not less than the precepts and teacings of the Sacred Book, enjoin upon us diligence in business. But in a broad sense we cannot separate business from affairs of State. That policies respecting finance, taxation, tariffs and commerce underlie and control business prosperity, will hardly be denied in view of recent national experience. That business men should have no part in determining these policies, directly or indirectly, is to leave them often to inability and incompetency.

That wholesome political activity which enlists the earnest thought and co-operation of the business world best promotes the welfare of society.

If business men would give to politics and to political duties a part only of the time which they bestow upon pleasure and other pursuits and occupations outside of business, the atmosphere of our public life would be purer and cleaner, and the words "ring and gang rule" would be banished from our political vocabulary.



SAMUEL DISSTON, VICE-PRESIDENT.

The next speaker on the list was Samuel Disston, of Henry Disston & Sons, vice-president of the Association. Mr. Disston having an important engagement was excused.

T. James Fernley, of the Keystone Dog Collar Mfg. Co., and secretary-treasurer of the Association, the next orator, had for his theme "Our Association—Is it Successful?" His remarks were as follows:

T. JAMES FERNLEY ON OUR ASSOCIATION.

Mr. President and Gentlemen: I feel that I owe you an apology for occupying your time this evening, particularly in view of the fact that so many men of well known ability are gathered around this board. Many of our guests have national reputations as public speakers, and, indeed, some of our own members are rapidly forging to the front rank of after-dinner orators.

On December 21st last the president of our Association advised me that he had appointed Fayette R. Plumb, Samuel Disston, Lewis W. Klahr and the speaker as a Banquet Committee. We at once organized by electing the handsome and able manufacturer, Mr. Plumb, as chairman.

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At our first committee meeting it was very evident that my co-laborers each intended to have an opportunity to air his eloquence, regardless of the rights and privileges of others. They assigned me to respond to this toast, stating that it would not look well to have any of the committee slighted. Should any question the correctness of this assertion I can only refer you to our programme, where each member of the committee has his assignment.

My first recollection of the organization dates back to February 26, 1886, when as a modest, diffident boy, I attended the meeting held that day. It was the second regular meeting after organization. I well remember how I bashfully took a seat in the corner, and felt like offering the gentlemen present an apology for being present. We then had twelve members. Our first president was the late Wm. J. Lloyd, for whose memory we all have the most profound respect. Our meetings were held in the parlors of the American House. It was not long before a movement was started to have permanent Association rooms, and the present delightful, though too small room in the Drexel building was leased and furnished. In January, 1890, our members had grown to about thirty, and my esteemed friend and neighbor, that honorable, upright Quaker merchant, Chas. M. Biddle, was elected to the high and honorable office of president. We all remember how admirably he wielded the gavel. The system of reading essays at our monthly meetings was inaugurated, and those who had never been known as literary men wrote and read essays which reflected credit on themselves, and what would justify their being classed as literary geniuses.



T. JAMES FERNLEY, SECRETARY AND TREASURER.

Can we ever forget the able treatises of McCaffrey, Klahr, Biddle, Ritter, Plumb, W. D. Supplee, as well as that of his esteemed sire?

In this has our association been a success.

Again, under the Biddle administration we took a decided stand in favor of elevated railroads, and, although not successful, yet we hope that our next mayor, who is now nearer my reach than he will probably be after his inauguration, will give our city what we so much want.

In January, 1892, the greatest Parliamentarian in our midst (except Hugh McCaffrey) was elected president. Need I tell you, gentlemen, that Fayette Ramsey Plumb, he who for two years was our official head, made a record which was and is untarnished, and that within a short time he has been honored by election as vice president of one of the noblest institutions in this city, the Union League.

But under our by-laws, which limit the term of president to two years, we were compelled to part with Mr. Plumb, and in January, 1894, Mr. William W. Supplee was elected his successor. Many of the gentlemen around this board remember under what auspicious circumstances he was inducted into office, and at the same time your humble servant was elected to succeed Mr. Edward D. Eyre as secretary-treasurer.

Gentlemen, had I known the capabilities of Mr. Supplee at that time another could have had the honors and labors of my dual office. You will doubtless recall the poetic quotation attached to his name on our *menu* in 1894. It was this:

"Lead us on to victory,
Our strength increase."

At that date we had fifty-five members. After one year of his administration we have ninety-eight members, a gain of forty-three or seventy-eight per cent. Truly he has led us on to victory, and our strength he has increased.

As an organizer, the gentleman who sits here to-night as our presiding officer is without a peer—indeed his ability is of such a high order that at the recent Convention of the Hardware Jobbers of the United States, convened at Cleveland, he was chosen president of the convention, and subsequently elected president of the National Hardware Jobbers' Association. During the past year the surplus fund of our organization has been almost doubled, and in answer to the query, "Our Association, is it successful?" I think I do the oldest and best Hardware organization in this country only just credit by saying that, in all respects, it is eminently successful.

MR. POLLOCK'S REMARKS.

James Pollock, the next on the list, made some remarks on "Social Intercourse—Does it Promote Longevity?"

Alfred C. Rex, though last on the list, was next introduced. He had a train to catch. His subject was: "After Dinner Speaking — Does it Aid Digestion?" He said:

AFTER-DINNER SPEAKING—DOES IT AID DIGESTION?—REMARKS OF MR. REX.

GENTLEMEN: The question attached to the subject assigned to me this evening is somewhat ambiguous. When Sidney Smith was once advised by his physician to take a little gentle exercise before breakfast, on an empty stomach, he quietly asked if it made any great difference whose stomach it was. So I am similarly uncertain whether it is the digestion of the speaker or his unfortunate victims which is in question. If the former, I should say it was an unhealthful performance, for most physicians consider that arduous labor after a heavy meal is, to say the least, injudicious, and an after-dinner speech is certainly hard work for me. If it refers to my audience, I should incline to the opinion that it would not injure their digestion seriously, as the majority of them are in the daily habit of sampling nails, tacks, saws, files, screws and similar articles, and are used to hard wear and tear generally. A certain learned man defines speech as the instrument by which a fool is distinguished from a philosopher, and nothing but an amiable desire to

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oblige your entertainment committee places me in this position to-night, as I fear I can retain my incognito no longer. Digestion is defined to be the physiological process of converting the food from the state in which it enters the mouth to that in which it can pass from the alimentary canal into the blood vessels and lymphatics. While this process is going on it is necessary that the brain should not be taxed or the mind wearied with much thinking. It shall be my especial care to refrain from doing either of these two things. Man is a social animal; in his pleasures, his sorrows, his work or his play, he needs and seeks sympathy and companionship. This characteristic is especially marked in connection with that bodily function called eating. He takes pleasure in dining with business friends and listening to their sage advice, and incidentally picking up any pointers which may be dropped. Civilization and education have robbed this function of its common-place character, and have thrown around it all the accessories of beauty and refinement. Our tables are resplendent with beautiful china and glassware, and vessels of gold and silver, in the ratio of one to sixteen; our appetites are tempted by all sorts of curious combinations of delicacies, and our palates are tickled by the sparkling vintages of the valleys of champagne and apollinaria. The ancient Greeks and Romans were wont to entertain their guests at dinner by exhibitions of dancing, juggling and sleight of hand by hired performers, The Falernian and Lesbian brands of wine being of too strong a character to permit them to take any active part, but with a wisdom born of nineteen hundred years of progress we allow our guests to entertain themselves by flights of oratory and scintillations of wit and humor. The after-dinner orator is a necessary evil; we cannot get our banquet without him, and, therefore, we must endure him. Like vice,

"He is a monster of frightful mien,
As to be hated needs but to be seen;
But seen too oft, familiar with *his* face,
We first endure, then pity, then embrace."

This suggests to me the first type of an after-dinner speaker I shall mention; the young society man who becomes razzle-dazzled when everybody looks at him. At a dinner party he is suddenly called upon to reply to the toast of "Woman." He gets up with alacrity, for his best girl is present, and says: "Ladies and gentlemen, it gives me unalloyed pleasure to respond to this toast. The poet beautifully says (striking an attitude):

"Oh, woman, in our hours of ease,
Uncertain, coy, and hard to please"——

Er—er—hard to please—everything swims around him; then desperately his mind catches a clue and he continues:

But seen too oft, familiar with her face,
We first endure, then pity, then embrace."

It was said of Cuvier, the great naturalist, that if he were given a single bone he could construct the animal to which it belonged. So with the Depew type of after-dinner speakers. Give him a single joke, even if pre-historic and exhumed from the cave of the Seven Sleepers, and he will build around it such an after-dinner speech that his most dyspeptic auditor will think he has a new triple-riveted, Harveyized digestive apparatus. If the subject which is sprung upon him does not seem to have any connection with the story in his mind, he is in no wise disconcerted. Take for instance, this topic: "After-dinner speaking; does it aid digestion?" He would say the latter part of this subject does not seem to have any bearing upon the former, and yet if we examine it more closely he will see that they are not so widely separated. It reminds me of a little story of the sunny South. A certain young planter in the ante-bellum days was a great sportsman but a greater story teller, and his black boy, Sam, was always called upon to certify to their truth. Sam frequently remonstrated with his master as follows: "Faw de Lawd's sake, Mars' Gawge, don't git yaw fax and de trooth so far apawt. I kin hawdly git 'em togither." At a certain large dinner party the young planter became inflamed with apollinaris, and told how he once shot a buck in the foot and the bullet came out back of the ear. Considerable incredulity was expressed, and he immediately appealed to Sam, who rose to the occasion. "Yas, gemmen and ladies, das so. Yo see it was this a-way. Jist as Mars' Gawge raise de gun to shoot, de buck stopped to scratch he haid an' de ball went froo de hoof and came out back of de ear."

Sometimes the after-dinner speaker is a misanthropic and malevolent person who remembers reading in his schoolbooks that the anaconda, after swallowing a whole ox, and being unable to disguise the fact, for the horns stuck out of his mouth, can be approached by persons whose previous intercourse had been conducted over a long-distance telephone and treated with familiartiy, and even with violence, without being able to resent it; he, therefore, under cover of the lethargy and good nature produced by a twelve-course dinner, delivers a forty-minute address so dry that the dust nearly chokes him as he delivers it. This, however, is good for the digestion, for it produces balmy sleep, Nature's sweet restorer. Then there is the after-dinner orator who has served in the war. He will say, appropo of nothing, "The true philosopher can extract some comfort, even out of misfortune—speaking of making the best of things reminds me of a little incident that happened during the war. When I was with Grant in the Wilderness, a fine young fellow in my regiment, the only son of a poor widow, was shot down and was carried to the rear. After the day's fighting was over, I went to the temporary hospital to look after him. The doctors were about to cut off his right arm, as his elbow was shattered, but he begged to be allowed to keep it. He was told that if it healed it would be stiff, and that he could choose whether he would prefer it straight or bent. A troubled look came over his face as his eyes looked afar off and saw down the vista of approaching years a crippled future. Presently his eyes brightened and a smile stole athwart his features as he said cheerfully, 'Set it for hugging.'"

But the literary man has the "convexity," so to speak, upon all after-dinner orators. He can delve in the Chinese archives and get all the lichen-covered jokes from Confucious down, or extract from Egyptian papyrus rolls some of thse puns whose Lotus' flavor produced such ecstatic sleep upon the ancient Pharaohs that their mummies still preserve the remnants of the smile and work them up in Nineteenth Century costume without fear of meeting that ennuied look which proclaims them "marons disguise." Such is the story of Augustus, which a literary man translated for me from the original Sanskrit. Augustus was a poet, and wrote an alleged poem entitled "Why Do I Still Live?" and sent it to a certain magazine for publication. Three weeks passed, and the poem not appearing, his patience was exhausted, and he wrote a sharp letter asking why the poem was not published, and hinting that envy was at the bottom of it. The next issue of the magazine contained the following in its "Answers to Correspondents:" "Augustus, you sent your poem by mail instead of bringing it in person—this is why you still live." It is a well-known fact that the character of the food affects after-dinner speaking. It has greater influence upon our legislation than the average person imagines. The observing newspaper man goes into the Congressional restaurant in Washington about noon and frequently forecasts the proceedings of the afternoon. A cup of weak tea and a slice of dry toast will bring Senator Peffer on his feet with a bill to endow an old ladies' home; a ham sandwich eaten by Representative Boutelle is the precursor of one of his Hawaiian resolutions; young pigeons on toast will be sure to precipitate a squabble; fisticuffs have been the outcome of an indulgence in Philadelphia scrapple; and when Gorman gets too much sugar in his cold tea he is sure to raise Cain on the floor of the Senate. After-dinner speaking not only aids the digestion as I

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have shown, but it also improves the moral tone of the diner by cultivating the virtues of charity, patience and forbearance, although the veneer of civilization is sufficiently strong to prevent actual violence. Alkali Ike found it advisable to say at the ball in Roaring Gulch, "Boys, don't shoot the fiddler, he's doing the best he kin," but I hardly think a similar plea on behalf of the unfortunate after-dinner speaker is necessary with this audience. If, during the next few days, we ascertain by sad experience that I am wrong, and that after-dinner speaking does not aid digestion, our case will be similar to that of the young married couple whose honeymoon was beginning to wane. One evening after tea, a very awkward silenee reigned, which he broke by rising to put on his overcoat, preparatory to going to the League. She broke out vehemently, "George, you would have been happier if you had not married me." And he replied: "Yes, darling, but I would never have known it."

REMARKS OF R. R. WILLIAMS.

R. R. Williams, of New York, came next. His theme: "Finance—What do I know About It?" He said: Though there is over $4,000,000,000 of coined money in the world our country finds it difficult to keep $70,000,000 for herself. A gold basis is needed and an elastic currency to meet the demands of the people.

MR. TAYLOR ON TAXATION.

Frank H. Taylor followed with remarks on "Taxation—Is it Policy to Tax Manufacturers?" He said: Taxes are always necessary and always disagreeable. Food, clothing, and tools are not the right things to tax. Property and things of great value that men have accumulated ought to be taxed. No tax should be levied on the vices of the people. Our real objection to the income tax is to prevent our true financial condition from being known.

The next speaker on the list was Archibald Paull Mitchell, president of the HARDWARE Publishing Co., New York. His theme was "Our Quaker City Friends—What Does Thee Think of Our Yearly Meeting?" His remarks were as follows:

ARCHIBALD PAULL MITCHELL'S REMARKS.

Mr. President, and gentlemen of the Hardware Merchants' & Manufacturers' Association of Philadelphia: Believe me, sirs, I am profoundly sensible of the honor you have paid me, in bidding me to this feast of reason and flow of soul. Before me I see those princes of trade and manufacture, whose efforts have gone far toward placing Philadelphia in the front rank of our greater municipalities. There are other cities who, with loud fanfare, proclaim themselves the Great and Only, but not one comes nearer paying one hundred cents on the dollar than this same city of yours. True, some captious critics have had the temerity to express the opinion that your eminent respectability has made some of you stand so erect that you bend backward. To such I would say: "Go carefully!" for, emulous of the fame that Manhattan's famous Lexow committee has gained by its labors, your rulers are preparing the same treat for you. But politicians and politics are *malapropos* on an occasion like this. We are here, as I understand it, to eat, drink and be merry, and, for the time, forget dull care and the grind of daily work.

From time immemorial, it has been the habit of certain after-dinner speakers to make capital for bad jokes about your slow ways and certain methods. To my mind, this characteristic is one of your grandest bulwarks. We read that when William Penn purchased the land upon which your city now stands, he set the pace for future generations by paying spot cash, or its equivalent, for his venture. That, gentlemen, has been the reputation of your traders and manufacturers from that day to this—slow to buy but sure to pay.

Here in your city the artisan as well as the merchant prince is thought entitled to a home, and the thousands of small, but comfortable houses, which may be rented or bought on long payments and easy terms, prove that to all who are willing to work, a home is possible.

In money-mad New York, we have the delectable spectacle of one of our oldest, and outwardly most eminently respectable churches, owning vast quantities of valuable real estate, content to let remain upon their land wretched tenements, which are a disgrace to our civilization. I am convinced that, whatever of success each one of you has achieved, it has come most largely from your environment. The same spirit that prompts you to provide houses for your people, prompts your manufacturers and merchants to be liberal and just in the compensation and encouragement given their employees, who, in turn, imbued with these liberal ideas, become your successors in business, and in public and private enterprise.

In the pursuit of my daily vocation, I have, from the nature thereof, been brought into contact with the leading manufacturers and merchants in your line, all over the United States. In all the cities I visit, I do not find any more satisfactory people with whom to transact business, than in this city; and, after all, I have a right to feel at home in Pennsylvania, for in Fayette County my great-grandfather lived and died, after serving under Washington and Braddock, in their memorable campaign against the Indians and French. He established one of the first furnaces and forges erected west of the Allegheny Mountains, on almost the same spot where now is situated the great Dunbar furnaces, midway between Uniontown and Connellsville. I have often thought: What would be the sensations of those pioneers in the iron industry, could they see the mighty blast furnaces of the present time? The one or two or three tons of cold blast charcoal iron per day, that was then produced with water power, have given way to the steam hot blast mammoths of the present time, whose daily product is greater than a six months' output of the old-time forge.

A shining example of the steadiness and continuity of purpose of a Philadelphia merchant in our line, came to notice within the past two years. In the ordinary course of business, I called on a firm in Market Street, where three names graced the sign above the door. I had been calling there for some years, and was greatly surprised on the visit in question, when I found things at sixes and sevens. The stock had been removed, the shelving was being taken down, and through the debris I made my way to where the counting office was formerly situated, and found there the head of the firm, alone. "What's up? Going to move?" I asked him. "No," he replied "We are going to retire from business—settle up, liquidate, quit." As he spoke, he had in front of him a small individual ledger, and being in a confidential and reminiscent mood, he turned over the leaves and said: "In this little book is the condensed history of my business." Starting thirty years or more ago, with a small capital, he had each year's expenses and gains systematically put down. The net result, I noticed, was in red ink. The first year it required but few figures to express the total, the last—well that is telling—but I caught a fleeting glimpse at the figures, and a cool half million would be rather under than over the amount. He had started in to accomplish a certain purpose, and adhered to it rigidly, and through good times and bad, had patiently shaped his course for the one beacon of independence at a time in life when independence is most needed, and he had succeeded. That, gentlemen, is the history of one of your "slow" Quaker merchants. Now, let me cite the more brilliant career of a mercantile firm in another city, who started business about the same time, with nearly the same capital. This last firm, by a happy combination of talent in its members, possessed in one, shrewd business instinct, combined with caution; the other was a brilliant salesman, magnetic and genial, and had that rare gift of

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getting the very best possible results out of an employee. For years and years, so long as this firm confined their time, energy and ability to their immediate business, their trade expanded and grew, until the house and its connections were known, honored and envied in every quarter of the globe. From a business humble in its inception, the trade grew until many millions of dollars of business was transacted each year. Profitable, stable, rich, its members became millionaires, and he who had the boldness to predict any evil fortune to that house, would have been looked upon as either a madman or a jealous rival. In an unlucky hour a Western railroad magnate induced one of the partners to go into a bond deal of some Western railroad that ran from no place to nowhere, and from manipulation in Wall Street a profit of some hundreds of thousands of dollars was evolved. That, gentlemen, was the beginning of the end. The old reliable business was too slow. Why, it took two months' legitimate business to produce what was made in a day by speculation in Wall Street. The deadly upas-tree of inordinate avarice had planted its roots, the harvest was coming—and come it did; for within two short years princely fortunes, honored names, and a business which had never been equaled in this or any other country, was wrecked, and its very name will soon be forgotten. Which business method do you most admire? The slow, but sure Quaker City way, or the brilliant pyrotechnical display made by our other friends?

Again, gentlemen, I thank you for the compliment you have paid me, and wish you each and every one a happy and prosperous New Year.

The last, but not by any means the least on the list was James H. Ritter, of the Biddle Hardware Co. His subject was "The Sweet Bye-and-Bye—What Shall the Harvest Be?" He said:

"IN THE SWEET BYE-AND-BYE—WHAT WILL THE HARVEST BE?" JAMES H. RITTER.

Mr. Chairman, Guests and Fellow Members: The man who said "doubtful things are mighty uncertain" probably had some experience as a prophet, and as I realize the truth of his saying, it is with some misgiving that I, who am neither a prophet nor the son of a prophet, now attempt to prophesy of the harvest "in the sweet bye-and-bye." Surely in these days of strange proposals, when free coinage, wildcat money, populistic ideas, anarchistic ravings, and Coxeyism, are all finding zealous advocates—when I begin to prophesy I run some danger of being classed among these undesirable folk who "rush in where angels fear to tread."

And yet there is good reason why I am asked to speak of the future, and not of the past. I think we are all more than willing to forget 1894—that is, if our profit and loss accounts will permit us to do so. It is the future which beckons to us with the finger of Hope—and we look eagerly forward to the harvests which are to be. But when I look on the talent and ability I now see around me, from the wisdom of a Nestor in our oldest member and the eloquent writings of our honored president, to the audacious wit of our secretary-treasurer, it is no wonder that I hesitate.

Still, who that is familiar with the history of our Association can doubt the promise of the future? In a certain sense this is our birthday dinner, for have we not just received from the city on the Susquehanna a solemn writing signed with red and imposing seals stating we are now a corporation? But the work of our Association, which is now nine years old, has already been more than manifest. Prior to our organization our jobbers had practically no acquaintance with each other, and each regarded his fellow jobbers with distrust, not to say actual enmity. Perhaps this early state of mind may best be told by a story which I heard last summer in Maine. A charming island in the noble Penobscot Bay is still peopled by the primitive settlers, who have lived there from the days when the French Baron Castine founded the town bearing his name. A man I knew, who had some business to transact on the island, was anxious to learn as much as possible about the character of a certain native whom everyone called "Deacon Jones." As far as could be learned, the deacon was an honest, hard-working man, who had won the respect and confidence of all his neighbors, except of one old crabbed character who lived nearby. To this neighbor went my inquirer and said: "Do you know Deacon Jones?" "Oh, yes," was the answer. "What do you know about him?" said the inquirer. "Know *all* about him," replied the neighbor in a most unpromising tone. "Well," was the next question, "do you know anything bad about him?" "No," said the neighbor, "don't say that I do, but you can't keep no sheep when the deacon is around." This was a dubious answer, but as a last resort the inquirer asked: "Does he pay his debts?" "Well," said the unfriendly neighbor, "he ought to; he takes up the collection in church every Sunday."

It was very much in such a spirit that our jobbers thought of each other, and so each was ready to believe the worst, and to competition was added the strife of personal feeling. Already we see the harvest of a more kindly and brotherly feeling, and personalities have not the same stress laid upon them as in former years. It is impossible to regard with the same continued distrust the man whom you meet socially and with whom you sit at the same social board. It is not only in the Arab's tent that bread and salt are a pledge of friendship, and I have been struck by the change made in a man's attitude toward a competitor simply by a social meeting. "The old order changeth, giveth place to new," and men begin to realize that common benefits accrue from co-operation and not from that false proverb which professional men are ever quoting "Competition is the life of trade."

If such has been the harvest of the past, surely we may look for larger returns in the "Sweet Bye-and-Bye." The coming years lie before us as fallow fields waiting to bring forth harvests according to our sowing. Will we sow wisely or unwisely?

One of the leading manufacturers of the country, a man of wide acquaintance, of knowledge of public life and of much travel, has said to me that taking all lines of business into consideration he thought hardware men represented as much general ability and breadth of thought as any set of men he knew, and added he, "They win the least reward." If this is so perhaps the fault is largely at our own doors, and it behooves us to sow wisely for future harvests. It sometimes seems to me that we hardware men are so pressed for time, so fully occupied by immediate questions of endless and innumerable small details, that instead of driving our business we are driven by it, and what we need is time and opportunity for calm thought how we can best guide our business to good results. It is a happy custom of one of the largest churches of Christendom to compel the preachers every year to devote a week to retirement and mutual conference, and I can imagine more wisdom in the conduct of our business did such a course obtain, and as such, as I take it, is the object of our new National Association.

But there are happier days in store for all of us. We are now, I trust, emerging from a depression which has tried men's souls, and we turn gladly toward the future and watch for the light which heralds the coming days of harvest. True, the great political economist who, on a steady and ample salary, lives in the White House at Washington, told us in one of his recent famous letters that prices should be lower. We however, hope for higher values and a fairer return to both employer and employee. Man is ever hopeful, and is not his hopefulness justified?

"Yet I doubt not thro' the ages one unceasing purpose runs,
And the thoughts of men are widen'd with the process of the suns!"

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The ancient picture of the Golden Age is true except that the Golden Age is not behind us. It is in the future, already we may see some tinge of the coming brightness when truth and justice will prevail, when labor and brains shall meet their just reward, when co-operation will take the place of strife, and the lion and lamb will lie down together, and the lamb will not be inside the lion.

In the mysterious East, the land of dim age and drowsy antiquity, it is said they pour into the open palm of the prophet a strange and subtle dark liquid and looking steadily into this he sees the ghostly shadows of the coming years pass and repass, showing all that is to be. Here we use another liquid for much the same purpose, only it is lighter in color and is not poured into the palm, but tonight even this inspiration is absent.

Let us without it look down the vista of the years that are to precede a new century, and as we do so, we hear on all sides the same hope. "Ther's a good time comin'," sings the darkey in his happy confidence; the editors preach it from their papers, pulpits and clerical voices join in the chorus, the poet sings it in his hopeful vision, and even the long suffering hardwareman feels the same inspiration.

And so by faith we see the day when co-operation will be the rule, when the brotherhood of men as taught on Galilean hills will be a reality, when honest goods will bring their value, when hotels and railroads will no longer absorb all the profits of the jobber, when jobbers and retailers will realize their interests are in common and not in strife and competition. When industry and skill will bring their sure reward it will no longer be necessary to ask the question, "Are a young man's chances of success as good as twenty-five years ago?"

In these promised days the hardware man will be a better citizen of this City of Penn. No longer will he leave its business affairs to lawyers and those who make politics their profession, but he will once more assume the right which history shows he, as a merchant, possesses, and as the great Old World cities of London, Antwerp, Amsterdam and Florence were made great by ruling merchants, so will Philadelphia's merchants take their rightful place among the rulers of the city. When this is done I venture to predict some changes, and when an estimate is presented to councils containing such items as:

Carpets, $6 per yard
Tables, $25 per running foot
Chairs, $123 each

when such items are presented I see hardware ideas prevailing in the application of a discount of 60, 10, 5. In those days we will have a supply of water which is fit to drink, and what is more, we will have a reservoir which will hold it. Councilmen will receive a direct salary so that business men can afford to go to councils, and William Penn on his lofty tower will then not be ashamed to turn around and face his great and American city.

All this will have its effect on the individual life, and when the city is managed in the best interests of all its citizens our homes will be brighter, the advantages of life in Philadelphia greater than in less favored communities, and each will have a fair chance for the expansion of individual character and strength; while, instead of the present mad scramble for place and wealth, in which the weaker are trampled under foot, the battle of life will be fought by men moving shoulder to shoulder in mutual helpfulness. Then will Justice have her perfect reign over the hearts of men, and we will see realized the dream of the poet Lowell:

> "'Tis as easy then for the heart to be true
> As for grass to be green, or skies to be blue—
> 'Tis the natural way of living."

And now one more view and my prophecy is done. I look down and around this bright table, and as I look I seem to see the lights go out, one by one, the familiar faces in the chairs become more and more indistinct, and finally fade away, the fragrance of the flowers growing fainter and fainter until it is a mere memory, and the gay company is gone and is gathered into a more distant "Sweet Bye and Bye." Does anyone ask "What will the harvest be?" To the manly man, the honest merchant, the helpful citizen, the man who did his life's work nobly as he had the light, to him will come all the promises of the Golden Age and a harvest which will be none the less sweet because deferred.

Review of the Markets.

Money: Indications at present point to a continuance of the drain of gold from this country. The Treasury reserve amounts to about $70,000,000, but this sum will probably be steadily reduced by the presentation of legal tenders for redemption by houses which find it necessary to provide for their European drafts by shipping gold. There is an ample supply of funds in all branches of the market. The demand for mercantile paper is larger than the supply. Congress has done nothing in a legislative way to settle the vexing currency problem. Numerous propositions have been introduced. The proposed bill by Senator Sherman is the only one worthy of mention, and it does not meet the present needs. European investors are neglecting American securities in favor of South-American and South-African stocks.

Prices on Hardware are unsettled and the general tone of the market is not vigorous. A great many travelers have gone out in the interest of the houses they represent during the past week, but it is too early to hear from them as regards orders yet. There will, no doubt, be an increase of the volume of trade due to the exertions put forth by the traveling salesmen. Jobbers and retailers are completing their stock. These orders show that the stock carried is exceptionally light. The trade is making careful selections and show no inclination to speculate.

Barb Wire: There is nothing new in this line; the demand is still light. Quotations: Barb Wire, painted, $1.70; Galvanized, $1.95, carload lots.

Business is very quiet and there is no change in quotations. Shot: There is no change in the quotations for shot. The market is dull.

Nails: The nail market is quiet; there is, however, a slight increase in the volume of business. Cut Nail prices are about the same, carload lots at mill selling for 75 cents, 60-cent average. Carload lots at dock are quoted 85 to 90 cents; small lots at store, 90 to 95 cents. Wire Nails are quoted at 85 cents on carload lots at mill. Small lots from store at $1.15.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot... ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze Rods.	
¼ inch to 3½ inches, incl....17c. ℔	
Over 3½ to 5 " " 18c. ℔	
Square and Hexagon Rods, 1c. ℔ extra.	
Tobin Bronze Piston Rods.	
¼ to 3½ inches, inclusive...18c. ℔	
Over 3½ to 5 " " ...19c. ℔	
Antimony	
Hallett's ℔	7¼
Cookson's	9¼
Lead.	
Foreign ℔	nominal.
Domestic	3½@3¾
Spelter.	
Foreign ℔	4¼
Western, common	4

Zinc.	
Sheet, cas.k.... ℔....	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots	16
Tin-Plate.	
Coke Tins:	
J B grade Coke Tin	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20	4½
Do. 20x28	9.10
D. R. D. grade, 14x20	4¾
Do. 20x28	8½

Since our last issue quite a decided change for the better has been noted in the paint market. A neat business has been done in both domestic and foreign makes of Prussian blue, also in whiting for early spring trade. There is no special feature in White Lead, though in lead and oil for delivery in the early months of spring a fair trade is being done. Colors in oil are freer under the revised price list, which gives liberal discounts. White Lead shows signs of more life than it has for several weeks. In Red Lead there has been more inquiry for future delivery; prices range from 4½ to 4¾ cents. The bid to supply the New York Navy Yard with 50,000 pounds was awarded at 4.65c. for both kegs and pails.

In Litharge there has been a slight improvement in the distribution of this article among the various glass factories

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throughout the country. The demand from the rubber trade continues slack. In Zinc during the past week there has been a better demand from grinders for deliveries upon their regular contracts. There is no falling off in the export demand, which keeps up unusually good. So far there has been no change made in prices, which range from 3¼c.@4¼c., as to quality and quantity for jobbing parcels. German is dull at 4½c.@4⅝c. In Barytes the market is quiet. Considerable business, however, is being done in the better grades at prices ranging from $14@$17 per ton, as to quantity and date of delivery. For No. 3 grade there is a fair call at $11@$12 per ton. In Putty the usual jobbing demand prevails for spot goods. There has, however, been a slight improvement in the demand for early spring delivery at a shade under current prices. We quote bulk at $1.45@$1.60 and bladders at $1.65@$2, as to quantity. In Window Glass the market is extremely quiet, but prices locally are maintained, although at other points a good deal of cutting is reported on American glass, particularly on carload lots. Here the discounts on American are 85 and 5@85 and 10 per cent. off the old list, and on imported 70@70 and 10 per cent. from the new list.

In Linseed Oil the market has been steady, but there has been no increase in the demand. Raw American seed, 56 cents; boiled American seed, 59 cents; Calcutta raw, 56 cents.

Clapp & Co., bankers and brokers, New York, in their regular financial letter, say: "Government credit is our sure defense against international financing. Dollars are only equal when each is convertible to any other. Retiring the greenback might renew liquidation, in which the stern law of survival would have no mercy, and our present co-operation be only a name. The United States Government cannot afford to lay foundations for refusing gold payments on any paper in use as money. There were 263 textile mills erected in 1894 against 279 in 1893; New York and Pennsylvania leading, the Carolinas following. The income tax of 1863 to 1873 averaged about 30 million per annum. Tax collections reached highest point in 1866, bringing $73,535,000. Estimates for 1895 generally exceed $40,000,000. The 1894 anthracite coal production was 41,266,833 tons, or only 2.6% less than average of two preceding years. Dun's reports indicate recent average prices of commodities were 4.96% lower than in 1886, 4.03% less than August 10, 1893, and only 68.73% of averages of 1860. Failures of 1894 involved $172,992,856 against $246,779,889 in 1893. The three preceding years the average was about $166,000,000. European banks gained 204 million dollars specie in 1894. Our specie exports in 1894 were $110,433,033; National debt increase was $86,452,038. The Government sold one hundred million of bonds for gold in 1894, increasing the interest account about three million per year."

THE PHILADELPHIA TRADE.

It is very gratifying to report that a better feeling seems to prevail generally, and now that salesmen have once more started on the road, they have done so with renewed hope and increased confidence, and their confidence seems to be justified by the number of orders coming in, which are more frequent in number, and, perhaps, somewhat more generous in size. The policy of hand-to-mouth buying, which has been pursued for the last eighteen months, has left stocks low, and if any business is to be done they must be replenished. It is very noticeable, in looking over the records of 1894, that the reductions in price were not caused by any action of the jobbers. For some years it has been the custom to put the blame of lower prices on jobbers, claiming that in their endeavors to buy at low prices they are continually exerting a pressure upon manufacturers which results in constantly lowering the price. This, however, was very little the case last year, and lower prices were made, they were almost always made voluntarily by manufacturers, owing to competition among themselves. Trade in some lines was so light that no manufacturer felt he was getting his share, and, consequently, was predisposed toward starting out to cut the price. It is natural to suppose that, with the first increase of orders, manufacturers will be only too glad to take advantage of the situation and advance their prices when a reaction may be expected from the unprecedented low prices which are now ruling. Since the first of the year there have been few important changes in prices, and these changes have usually been with a view to equalizing the conditions. Perhaps the most noticeable change has been that of double-pointed Tacks, which have again advanced. It will be remembered that a very decided advance was made in these goods some six months ago, and that this is the second advance. We learn that even higher prices still are likely. Wire Nails and Barbed Wire are still quoted at low figures, but how long these prices will prevail no one can say. Poultry Wire Netting is now in good demand, and orders for spring goods, Freezers, Rakes, Hoes, etc., are now coming in quite freely.

The Bicycle Show in New York city is attracting a great deal of attention, and the prospects point to a large gathering of dealers. It seems to be no longer disputed that Bicycles have become a legitimate part of the Hardware business.

Another event of this week is the annual dinner of our Philadelphia Hardware Jobbers' Association, which took place on the 23d, and which was as successful as its predecessors, and this is saying much.

THE BIDDLE HARDWARE CO.

THE BALTIMORE TRADE.

Have you a recollection of your first ride through a railway tunnel? Within the coach a dim light, a dull, rumbling noise as the train rushes through, phantom shadows fashioned from the smoke of the locomotive gliding past the car window, the damp, dark walls of the arched tunnel, the feeling of awe which clings to you; then ahead you notice a faint streak of light, a shrill whistle of the engine, and the tunnel is passed. The glad sunshine streams out before you, the grain-ladened fields smile back a welcome, and you breathe out a prayer of thanksgiving for the deliverance.

That same feeling of thankfulness for danger averted is impressed upon us to-day. Business during the year 1894 was neither more nor less than a passage through a dark tunnel. The few beams of light that strayed in only revealed the shadows of phantoms fashioned by those *wise genii* (?) at Washington, but so ghoulish were they in appearance, that even the bravest of us shrunk back from them in a fright.

Happily, the dark days have passed. We stand within the threshold of a new year. Other dangers may lurk ahead, but for the present we are passing through green fields (figuratively speaking) and are content with the glad sunshine and bright landscape.

During the opening days of the month trade was decidedly sluggish. Stock-taking, with its side development, had not created that jubilant feeling among the country merchants which guarantees a hearty reception to the traveling salesman. But as the days rolled on, the feeling of disappointment gave way to the actual demand, and orders are coming in freely and in fair quantities. Spring goods for the most part, though staples at the ruling low prices are finding ready purchasers. Prices are fairly firm, and manufacturers assure us that bottom has been reached. The same information from the same source was gratuitously given a year ago, but a comparison of to-day's prices with the market quotations of January, 1894, betrays a lamentable falling off in value. In such times it behooves us to make the best possible use of the present and leave to the prophet-clique the honor of foretelling coming events.

If the gathering of the mighty powers around the festive

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board at Sherry's on the 31st inst. would get together in a spirit of harmony and make a general advance of about 40 per cent., it would do more to push things along than anything else.

The cold weather early in the month, besides practically exhausting the stock of skates in this market, has supplied the ice-houses with a fair harvest of that useful commodity. This in turn will very materially help along the sale of Freezers later on.

Bicycles are again receiving considerable attention. The cycle show now in progress in New York is attracting considerable notice from local dealers. As usual, we expect to wheel into line. Collections are fairly satisfactory, all things considered. Viewed in the light of present business and the daily increase in orders, both in number and quantity, we anticipate a fairly active spring trade.

THE TABB & JENKINS HARDWARE CO.

THE DAVENPORT TRADE.

There has been no further decline in barb wire or wire nails, and it may be that the bottom has been found on these goods. The fight, however, between manufacturers and jobbers of wire nails is still on, with no abatement of interest, and at this moment it is hard to foretell the result. The jobbers have an advantage in having other goods to sell, while the manufacturers may possibly add other and more profitable lines to help them out, if they should carry on the fight to a point below the cost of manufacturing. The effort to force inferior quality of barb wire on the market, by making ridiculously low prices, has not been successful here. The Sylvan Steel Co. hope to commence manufacturing barb wire and wire nails at an early date.

Rope is lower and price continues weak. Binder twine prices seem to have found a resting place, and orders are now being placed freely. The shot card has been reduced.

In addition to the new double track railroad and wagon bridge that will doubtless be built on the recommendation of General Flagler, Chief of Ordinance, United States Army, by the government in place of the old bridge now in use, of insufficient capacity for present traffic, which has increased so much since it was built some twenty years ago, there is an effort being made to build another railroad bridge, crossing a mile or two below. The charter for the new bridge was passed by Congress, December 19th, 1894. There will be an unusually large amount of building this season, which will include some elegant business blocks, flats, etc., etc. The Iowa Railway Commissioners have refused to advance rates in Iowa at the request of the railroad company, so the old rates remain in force. A large amount of ice is being harvested, giving work to many men who might at this time have been out of employment. General Hardware trade is fair; collections continue satisfactory.

SICKELS, PRESTON & NUTTING CO.

THE CHICAGO TRADE.

It is a little bit early in the year yet to offer very many guesses as to the outlook, as none of our traveling men have been out more than a week, and some of them only a few days, but the results shown by the orders coming in are of quite a satisfactory nature, and the reports from the men of the general feeling throughout the country seem to show that the trade are finding themselves obliged to make pretty general sorting up orders, if they calculate keeping in business at all. The hand-to-mouth method of buying has been in force so long that stocks are very generally broken up, and they simply must be replenished if the dealers expect to hold any trade.

Locally we were very much engaged during the second week of the month with the Bicycle Exhibition, and this brought into the city a very large number of Hardware dealers, and as most of them were here for several days there were a good many orders placed for goods outside of bicycle and kindred lines, and the general feeling, we are satisfied from opinions expressed, is of a decidedly more satisfactory character than we have heard of for many months past. The Bicycle Show was undoubtedly a great success in many ways, although it was a means of delaying the early placing of orders.

We are looking forward with a good deal of confidence to a fair business for the year 1895.

WOODROUGH & HANCHETT CO.

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

—MADE BY—

THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

BAKING JAPANS AND LACQUERS A SPECIALTY

THE AUSTRALIAN TRADE.

There is no unanimity of opinion among distributors regarding the existing condition of trade. Those whose business is confined more largely to the supplying of summer requirements—the Antipodean summer corresponds with our winter—have been fairly active recently, particularly as regards country trade, and on this account are inclined to take a favorable view of future prospects. On the other hand, those whose trade lies outside such channels, adopt a more pessimistic tone, with more or less gloomy forebodings.

Collections have been fairly good, and, on the whole failures have been less frequent. The general concensus of opinion appears to be that a very slow though steady improvement is manifesting itself, but with no immediate prospects under present conditions of an active revival taking place in the near future.

The recent laying on of vessels from this port to Sydney and Melbourne by the Independent Line has precipitated a fight between them and the older lines, the latter being arrayed as a unit against the new-comers by reason of a sort of combination existing between them. This has resulted in a sharp reduction in the rates of freight, which incidentally will have the effect of depreciating the value of goods in stock in the Colonies that have borne the higher rates which have been ruling for some time past, and will thus, to some extent, demoralize the market. How long the present condition of affairs will obtain is problematical.

MCLEAN BROS. & RIGG, LTD,
Walter J. Travis, Mgr.
Nos. 52 and 54 New Street, New York.

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents.

The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels.
——Star Oilers, 15 cents.——
CUSHMAN & DENISON, 172 9th Ave., N. Y.

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The Best Razor Strop Dressing in the World

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)

2nd. It is the Best Razor Sharpener.

3rd. It gives the Smoothest Edge.

4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY

STROPINE CO., 62 Purchase St., Boston, Mass.

New York Office, David Eastman, Manager, 64 Reade St.

Suit by the Griswold Co.

On December 17th last the Griswold Mfg. Co., of Erie, Pa., commenced suit in the United States Circuit Court at Minneapolis, Minn., against William Donaldson & Co., of that city, for infringing their patent No. 229,250, on the American Waffle Iron, by continuing to handle a waffle iron which the Supreme Court had declared was a direct infringement of the above mentioned patent. They were immediately granted a preliminary injunction against handling said iron in any way, and on the 9th of this month this injunction was continued against Donaldson & Co. from any further infringement of said letters patent on the American Waffle Iron, which patent the United States Court of Appeals has fully sustained. The Griswold Co., while they do not intend to bring suit against their friends in the trade, are desirous of protecting their rights against those who wilfully persist in disregarding said rights in this matter.

The firm of Edwin L. Haley & Co. have organized to conduct a manufacturers' agents' business at No. 185 Fort Hill Square, Boston, and will represent a number of prominent manufacturers, including the Phœnix Horse Shoe Co., of Poughkeepsie, N. Y., the Columbia Spring Co., the Leggett Axle Co., of Pittsburg, and others.

Otto Ditler has been appointed receiver for the American Champion Gas Lamp Co., New York, in proceedings for a dissolution of the corporation brought by Abraham Auerbach, Arnold Auerbach and Alexander Kaufman, directors.

A Great Bicycle Test.

The following important document carries its own explanation:

ORDNANCE DEPARTMENT, U. S. A.

Report of mechanical tests made with the United States Testing Machine, capacity 800,000 pounds, at Watertown Arsenal, Mass., January 16, 1895, for Premier Cycle Mfg. Co., New York, N. Y.:

TESTS BY COMPRESSION—BICYCLE FRAMES AND TUBING.

Test No.	Description.	Weight.	Ultimate Strength.
8,042	Weldless Frame.	5 lbs. 14¾ oz.	264 lbs.
8,041	Helical Frame	5 lbs. 5¾ oz.	448 lbs.

(Compressed lateral strain as in case of collision.)

Test No.	Description.	Weight per ft. ozs.	Thickness. Inches.	Exterior Diameter, Inches.	Ultimate Strength, Pounds.
8,049	Weldless Tube.	2.93	.038	.625	202
8,050	"	3.94	.043	.636	322
8,051	"	4.68	.030	1.000	704
8,052	"	4.06	.027	1.000	387
8,045	Helical Tube.	1.80	.015	.630	334
8,046	"	1.85	.016	.640	342
8,047	"	4.05	.026	1.000	848
8,048	"	3.28	.020	.980	487

(Transverse test—tube supported at ends 12 inches apart—loaded at the middle.)

No. of Test.	Description.	Weight per ft. ozs.	Thickness.	Diameter.	Ult strength, lbs.—Total Load.	Per sq in.
8,054	Weldless Tube.	4.03	.027	1.00	3,760	91,710
8,053	Helical Tube.	4.10	.027	1.01	5,540	131,900

(Compression tests—load applied parallel to axis of tubes.)

Correct, J. E HOWARD.

J. M. REILLY,
Major Ordnance Dept., U. S. A., Commanding.

Compare the following pairs of tests:

8,041 and 8,042; 8,045 and 8,049; 8,047 and 8,052; 8,053 and 8,054. Note that the results are enormously in favor of Helical Tubing *without a single exception*, ranging from 90 to 300 per cent., then decide whether you want a Helical or an ordinary tube bicycle this season.



A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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WHAT'S IN A NAME!



Everything, when experience and reputation are behind it. So is it with a guarantee. Its value depends upon the reputation and standing of the guarantor. We guarantee our Rubber Belting in unqualified terms, and our guarantee is backed by experience and reputation. We hold this guarantee before the world, because our belting is made of first-class materials, our machinery is specially designed for the purpose, and our rigid system of inspection prevents goods that are defective, even in the slightest degree, from leaving our factory. "Warranted not to peel, open at seam nor separate between plies, and to be durable and serviceable." What's in a name? This:—

A BELT BY ANY OTHER NAME WON'T WEAR AS WELL.

Cleveland Rubber Works
of the Mechanical Rubber Co.

CLEVELAND, OHIO.

SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,

Cleveland, Ohio.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

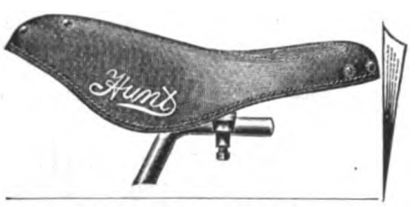
Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor. special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.



Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information.

HUNT MANUFACTURING CO.,

Westboro, Mass.

R. B. McMULLEN & CO,

Chicago, Ill. and New York.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

Factory For Sale.

FACTORY at Whitestone for sale (30 minutes from New York), with boilers, 15 horse-power engine, machinery, tools, etc. Price, $5,000; terms, $2,000 cash, balance on mortgage at 6 per cent., if desired. Located on L. I. R. R. and the Sound, affording cheap water freights. Very advantageous for any light manufacturing, such as metal work, novelties, hardware, etc. Lot 50x100, facing on two thoroughfares; three story brick building 30x90, with boiler and engine annex building. dAdress "Factory," P. O. Box 2718, New York City.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Situations Wanted.

WANTED—Position as Hardware salesman. Wholesale or retail. Have had many years' experience. Address J. Carpenter, Marion Avenue, Fordham, N. Y.

IN either retail or wholesale Hardware store, by a young married man, 31 years of age. Fifteen years' experience in the retail trade, also several years' experience in the agricultural implement and buggy business. Address J. P. N., Lock Box 63, Monticello, Ind.

The Lodge & Davis Machine Tool Co., Cincinnati, Ohio, have received an order for a large lot of machinery to be shipped to France.

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HARDWARE DEALERS SHOULD HANDLE

HELICAL PREMIERS, 1895.

American-made throughout. All constructed of our famous Helical Tubing.
Up to date in every particular. Lightest and Strongest.

All One Price, $100.

Roadster

28-inch wheels; 9½-inch head; 25-inch diagonal; 43½-inch wheel base; swaged spokes; 24 and 32; wood rims; dust proof bearings; detachable sprockets; T saddle post; gear 64, 68 or 72 as desired; 18-inch handle bar, raised or dropped; tread, 5½ inches. Weight, 18 to 20 lbs. **$100.** Brake and guards fitted if desired.

Racer

26-inch wheels, other details as above, lightest tires and saddle. Weight, 16 lbs. **$100.**

☞ **It was on a Helical Premier Racer that Wheeler beat Zimmerman two straight races. VERB SAP!**

Ladies'

26-inch wheels, double, drop-frame of Helical Tube. Weight, complete with chain and wheel guards, brake and foot rests, 20 lbs. **$100.**

By the use of Helical Tubing we build a drop-frame that is as stiff and strong as a diamond. Ladies who wish to ride on equal terms with gentlemen, but who object to "bloomers" will do well to note this fact in choosing their 1895 mount.

Here's the Proof.

We claim that our Helical Tube is far stronger than weldless tube and hence more desirable for the frames of bicycles. Business claims, however, have not always been substantiated and as some of our competitors (all of whom are confined to the use of ordinary tubing) have made misstatements about Helical Tube, we have submitted to the highest recognized authority, the Government of the United States, bicycle frames and tubes constructed of Helical and the best grades of weldless for test. A copy of the official report will be found in our reading columns, page 55.

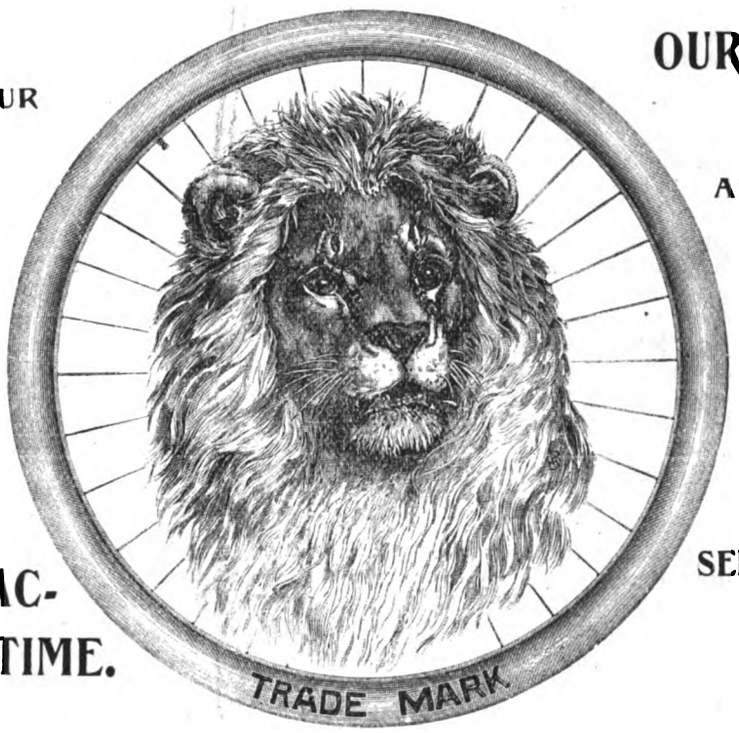
PREMIER CYCLE M'F'G. CO., New York.

THE MONARCH BICYCLES

ARE KNOWN AS LEADERS WHEREVER THE ENGLISH LANGUAGE IS SPOKEN,
AND HAVE ACHIEVED AN UNPARALLELED SUCCESS AT BOTH THE NEW YORK AND CHICAGO CYCLE SHOWS

SECURE YOUR AGENCY NOW!

"STRIKE WHILE THE IRON IS HOT!"



OUR 1895 PATTERNS ARE WITHOUT EXCEPTION THE ACME OF MECHANICAL PERFECTION.

SEE THEM AND BE CONVINCED.

NOW IS THE ACCEPTED TIME.

THOROUGHLY UP TO DATE IN DESIGNS, MATERIALS AND ALSO WEIGHT.

Weights, 18 to 25 Pounds. - Prices, $85 and $100.

Factory & General Office: Lake & Halsted Sts., Chicago.

MONARCH CYCLE CO.,

Eastern Branch: C. F. Guyon Co., Ltd., Mgrs., 97 & 99 Reade St., N. Y.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Bowen, Ill.—A. Walty.
Hallowell, Me.—H. P. Getchell.
Orangeville, Ohio.—A. E. Hunt.
Tonganoxie, Kan.—Driesbach & Co.

Record of Changes.

Allegan, Mich. — Abell, Phillips & Co., Hardware, sold out to John F. Dryden, who will continue the business.

Alten, Kan.—Cox Bros., Hardware, etc., reported as having sold out to Wilson Black.

Argenta, Ark.—A. S. Jenkins, Hardware, reported as having been succeeded by Lamberson Hardware Co.

Brady Island, Neb.—M. H. Kraxberger, Hardware, reported sold out.

Chateaugay, N. Y.—B. C. Bort has sold his stock of Hardware to W. B. Ryan.

Dallas, Tex. — Robinson, Bird & Co., Hardware, stoves, etc., reported as having dissolved partnership.

Delhi, N. Y.—Wm. H. Patterson has become a partner in the Hardware store of M. D. Sears, the firm being now Sears & Patterson.

Earlville, N. Y.—F. C. Buell succeeds the firm of Buell & Farr in the Hardware business.

Edgewood, Iowa.—The firm of Densmore Bros. have dissolved partnership.

Edwardsville, Mo. — Wolf & Desmond, Hardware dealers, have dissolved partnership. A. P. Wolf will continue the business.

Findlay, Ohio.—John Price has purchased the Hardware business of George W. Ruhl & Sons.

Gobleville, Mich.—Richardson & Temon, Hardware, reported sold out to William S. Crosby.

Glendora, Cal.—Daly & Snavely, Hardware, reported as having sold out.

Hamilton, Tex.—H. F. & J. D. Taylor, Hardware, succeeded by W. F. Taylor & Sons.

Holdrege, Neb.—With the object of increasing the business and putting in additional lines of goods, Max Uhlig has associated with himself in the Hardware trade in this city Francis C. Grable and M. L. Parrott, of Omaha, and Peter Peerson, Robert Uhlig and Morten Johnson, of this city, and the new firm will hereafter be known as the Max Uhlig Hardware Co., with Max Uhlig, president; Peter Peerson, treasurer, and Robert Uhlig, secretary.

Ionia, Iowa.—Van Tassel & Co., Hardware, succeeded by Troutner & Fallgater.

Jonesville, Mich.—Gilbert & Hix, Hardware, succeeded by the Hix Hardware Co.

Kokomo, Ind.—Armstrong & Son, Hardware, succeeded by Armstrong, Simmons & Ellis.

Littleton, N. H.—Frank L. Dunlap has purchased the Hardware business of Smith & Burnham and will take possession about February 1st.

Marion, Kan.—B. W. Carter, Hardware, succeeded by Evans & Co. W. H. Evans will take personal charge of the business.

Mercer, Pa.—J. C. Logan, who has been in the Hardware business for eighteen years, has decided to retire.

Minneapolis, Kan. — F. M. Spaulding, Hardware, etc., reported sold out.

Morrill, Kan. — McMillan, Ingham & Sprague, Hardware, etc., succeeded by McMillan & Ingham.

Moundsville, W. Va.—The firm of Courtwright & Smith has been dissolved. Mr. Courtwright has purchased the entire Hardware business, and Mr. Smith will take the roofing department and add it to his store on Seventh Street. The firm will then be W. W. Smith & Son.

Port Chester, N. Y.—The firm of Davis & Badger, Hardware, paint, etc., North Main Street, have dissolved. The business will be conducted by Mr. Davis.

Rochester, N. Y.—The firm of J. C. Meyers & Co., dealers in Hardware and agricultural tools and implements at Lyons will be dissolved by mutual consent on March 1st, Joseph C. Meyers, the senior partner, retiring.

Salem, Mass.—The partnership existing between John S. Morrison and James S. Murphy under the firm and style name of the "Salem Hardware Co.," has been dissolved by mutual consent.

Shamokin, Pa.— Peter E. Buck, Hardware, announces important change in his business, associating with himself as partner in the general Hardware and iron business, his sons, Frank L., Harry J. and William G. Buck.

West Randolph, Vt.—Whitten & Temple are to dissolve partnership in their Hardware business as soon as the business can be settled. One of the partners is to continue business at the old stand, but which one has not been settled.

West Side, Pa.—John S. Llewellyn has purchased the Hardware and tinning store of his brother George, and will hereafter conduct the same at the old stand on Luzerne Avenue.

Record of Improvements.

Americus, Kan.—E. B. Lesh is building another addition to his Hardware store.

Danville, Pa.—Essex Bros. will move their stock of Hardware into the new Gregg-Platt-McFerren building in a few days.

Edwardsville, Pa. — Harry Coplan, the Hardware merchant, has commenced to lay the foundation for his new store.

Elwood, Ind.—J. A. Hunter will move into his new Hardware store in the Harting building in a few days.

Jordan, N. Y.—C. Cole & Co. will soon begin the removal of their Hardware stock from the old store over to the new Call block.

Metamora, Ohio.—Seeley & Hallett, Hardware dealers, whose store was recently damaged by fire, have the foundation up for a new building with a front of forty-six feet, and two stories high.

Narrowsburg, Pa.—J. S. Anderson, Hardware dealer, has begun moving into his new brick store.

Wichita, Kan.—The Van Zandt Hardware Co., of Hutchinson, have rented the rooms on North Main Street at present occupied by the Rich Mercantile Co., and will move into their new quarters in a short time.

Business Embarrassments.

Brenham, Tex.—H. Franke, Hardware merchant, has made a general assignment. C. Minkwitz, Sr., is assignee. Total liabilities, $7702. No statement of assets.

Columbus, Ga.—J. R. Dooner & Co., carriage and Hardware dealers, closed by sheriff by virtue of a mortgage note for $3000 in favor of the Fourth National Bank.

Harrodsburg, Ky.—G. C. Bottoms, Hardware, assigned.

Memphis, Tenn. — F. Ozanne Stove & Hardware Co., No. 229 Main Street, assigned. L. Solari, receiver.

Minneapolis, Minn.—Smith-Anderson Co., Hardware, reported assigned.

Springfield, Ohio. — The firm of W. S. Putnam & Co., Hardware merchants, have assigned. Liabilities, $10,000; assets, $8000.

Stanton, Iowa.— The Hardware firm of Burke, Anderson & Co. have assigned.

Burglaries in Hardware Stores.

Algonquin, Ill.—John Helm, $150.
Arlington, Neb.—C. H. Linn & Co., $100.
Buffalo, N. Y.—Adam Reid, cutlery.
Des Moines, Ia.—Lewis E. Bolton, cutlery.
Durand, Ill.—Frank Shiek, $350.
Humboldt, Iowa.—C. E. Ward, cutlery.
Mt. Pleasant, Pa.—L. C. Fox, $50.
Pittsburg, Tex.—Holman & Hall, cutlery
Plymouth, Wis.—H. C. Laack, $150.
St. Johnsville, N. Y.—Amos Klock, $200.
Westport, Mass. — Wm. H. Guyer, revolvers.

Fires in Hardware Stores.

Anamosa, Iowa.—Mrs. Prader, Hardware store, destroyed by fire, at a loss of $7500; insured for $3500.

Biddeford, Me.—McKinney & Hurd, Hardware store, destroyed by fire.

Cedarville, N. J.—C. S. Stevens, Hardware and stoves, reported damaged by fire to the extent of $2000; insured for $1690.

Evans City, Pa.—Lewis N. Burry, Hardware, destroyed by fire. Loss fully covered by insurance.

Evergreen, Ala.—James M. Sims, Hardware, damaged by fire.

Gallup, N. M.—D. Mayer & Co., Hardware, reported burnt out.

Itasca, Tex.—T. G. Causler & Co., Hardware, etc., reported loss by fire, $8000; insured for $4000.

Lowell, Mass.—Bartlett & Dorr, Hardware, destroyed by fire, at a loss of $30,000.

Minneapolis, Minn. — Fire slightly damaged the store of the Pierson Hardware Co.

Minto, N. D.—S. Cairncross, Hardware, reported loss by fire; insured for $3000.

Pipestone, Minn.—Fire has destroyed the Hardware store of H. A. Marsh.

Salamanca, N. Y.—The Hardware store of E. W. Sperry & Son has been destroyed by fire.

Tunkhannock, Pa.—The Hardware store of Paul Billings & Son has been slightly damaged by fire.

Union City, Pa.—Hays & Sons' Hardware store has been destroyed by fire.

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IF THE DUPLICATE ORDERS

which we are daily receiving for **New Clippers** are any indication of business, there is little doubt but we shall be crowded to our utmost capacity to supply our trade again this season, notwithstanding our increased facilities. The Hardware trade are beginning to realize that it pays to place their orders

FOR OUR BICYCLES

with the maker direct, as he gets certain favors and advantages which are impossible from any other source. We try to please our trade. If **any responsible** dealer will send an order for any one of our wheels, we will agree to send it promptly, and if he does not believe it to be worth the price we ask, he may return it at our expense.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

Makers of **Bicycles Built for Business.**

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The Frictionless Falcon Wins With Big Ball Bearings



Little Ball Bearings



15 BALLS MEAN 75 POINTS OF CONTACT

9 BALLS MEAN ONLY 45 POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

"Birds of a Feather," etc.

A few of the leading Hardware Flock fly their colors under the

GOLD CRANK FALCON BANNER.

Albany Hardware and Iron Co., Albany, N. Y.
Schreiber, Conchar and Westphal Co., Dubuque, Iowa.
Janney, Semple Co., Minneapolis, Minn.
Beck & Corbitt Iron Co., St. Louis.
Gray Fall Company, Nashville, Tenn.
Geo. Tritch Hardware Company, Denver, Colo.
Geo. Wolf Alexander, San Francisco, Cal.

For Falcon Catalogues ADDRESS **YOST MFG. CO., TOLEDO, OHIO.**

GRAY IRON, BRASS, COMPOSITION, ALUMINUM & ALUMINUM BRONZE CASTINGS

Of the very best quality for all kinds of MACHINERY. All CASTINGS TRUE TO PATTERN and SOFT, STRONG and CLEAN as we use ONLY NEW METAL. NICKEL PLATING and JAPANNING, PATTERN MAKING and LIGHT MACHINE WORK. We solicit correspondence.

HAIGHT & CLARK, - - ALBANY, N. Y.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED line** 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Baltimore, Md.—The Millington Machine & Bicycle Co., incorporated by W. B. Corell, A. V. Canfield, Nelson W. Ward, James F. Millington and E. L. Ward, to deal in and manufacture bicycles and sewing machines. Capital stock, $25,000.

Belvidere, Ill.—The National Sewing Machine Co. will take up bicycles, their product for the coming season being between 10,000 and 12,000 wheels, of which about fifty per cent. have already been contracted for.

Boston, Mass.—The Eagle Bicycle Mfg. Co., of Torrington, Conn., have opened branch salesroom and warehouse at No. 7 Portland Street, with C. P. Cubberly.

Bridgeport, Conn.—C. F. Seeley, of Stanford, bicycles, will open new salesroom. Correspondence invited with manufacturers of bicycles and bicycle sundries looking to accepting agency.

Bridgeport, Conn.—The Howland-Gow-Stark Co. will sell bicycles, and have taken the agency for the Columbia.

Chattanooga, Tenn.—H. Clay Evans has recently opened a new bicycle store. Mr. Evans is the son of the governor-elect of Tennessee, and is a graduate of Yale.

Coldwater, Mich.—The Perfect Bicycle Lock Co., T. A. Hilton, president; A. S. Roe, secretary, and Roll Hayden, treasurer, are about to commence manufacturing. Their plant has been purchased, and orders have been booked for future business.

Macy, Ind.—A. P. Cleland, Hardware, has added a bicycle repairing shop, and will handle bicycles.

Meridian, Miss.—H. H. Fecher, sporting goods, commenced business, and invites correspondence with the manufacturers of bicycles and bicycle sundries.

Milwaukee, Wis.—Julius Andrae & Sons Co., bicycles, etc., incorporated.

New Berne, N. C.—The Slover Hardware Co., incorporated by Geo. Slover, L. H. Cutler and J. C. Watkins, with a capital stock of $80,000. Correspondence invited with manufacturers of bicycles and bicycle sundries, looking to accepting agency.

New Haven, Conn.—Arthur Griggs, formerly with N. T. Bushnell & Co., Hardware, will open a new bicycle store.

New York, N. Y.—The Bidwell, Tinkham Cycle Co., Ernest F. Walton, formerly general manager of the Wicks Refrigerator Co., elected vice-president and general manager. Shortly after New Year the company will open branch stores in Brooklyn, Newport, R. I., and also a down town store in New York.

New York, N. Y.—The Eagle Bicycle Mfg. Co., of Torrington, Conn., have opened branch store at No. 28 Chambers Street.

New York, N. Y.—William Easton will open new bicycle store and riding school, corner Sixtieth Street and the Boulevard.

Paducah, Ky.—George O. Hart & Son, Hardware; incorporated by George O. and George T. Hart, and Harry Hank. Capital stock, $50,000; will add bicycles during the year. Correspondence invited with manufacturers of bicycles.

Paducah, Ky.—The Scott Hardware Co. are preparing to add a bicycle department.

Philadelphia, Pa.—The American Sewing Machine Co. announce their intention to commence the manufacture of bicycles during the present year.

Philadelphia, Pa. — Frank Dampman opened new bicycle store at No. 1227 Market Street, and will make a leader of the Falcon wheel. His former store, at No. 262 North Broad Street, will be continued as a branch, under the management of P. K. Manning.

Pittsfield, Mass.—The City Cycle Co. have leased quarters in the England Block, where storeroom, repair shop, etc., will be opened.

Springfield, Mass.—S. A. Grant is reported to be organizing a company, with a capital stock of $100,000, for the location of a plant at Thompsonville, to manufacture wooden frame bicycles.

St. Joseph, Mo.—Robinson Hardware Co., incorporated by James H. Robinson, Samuel H. Justice and Frederick Priche. Capital stock, $60,000. Correspondence invited with manufacturers of bicycles looking to inaugurating a cycling department.

Syracuse, N. Y.—The Cortland Wagon Co. will commence handling bicycles during the coming season. E. B. Richardson will have charge of the new department.

Williamsport, Pa.—The Tivy Cycle Co., A. A. Artley, manager, opened business at Nos. 309-311 Walnut Street. A standard high grade wheel will be manufactured. Only a small number of workmen will be employed at present, but the force will be increased as the season advances.

Changes and Removals.

Battle Creek, Mich.—The Meteor Bicycle Co., removed to Saginaw, Mich., have incorporated, with a cash capital of $15,000. The officers of the company are: Peter Harig, president and general manager; John McLean, vice-president; James M. Reed, secretary and assistant manager, and John L. Jackson, treasurer. The officers and E. H. Hussey constitute the board of directors.

Chicago, Ill.—Roger B. McMullen & Co., bicycle supplies, have removed from No. 64 Ohio Street to No. 139 Lake Street. Edwin Oliver has retired from the firm, and H. J. Cassady is now associated with that house in charge of the Chicago office.

Corning, N. Y.—C. S. Griswold, bicycles, sold out to H. G. Reynolds. Mr. Griswold will go on the road for the Rochester Cycle Co.

Cortland, N. Y.—The Hitchcock Mfg. Co. are preparing to commence the manufacture of a motor bicycle in connection with an extensive carriage and cutter business. The company's works are to be enlarged to make room for the manufacture of bicycles.

Louisville, Ky.—R. C. Thayne, manufacturer of the Southern bicycle, is about to be succeeded by an incorporated company, bearing the name of "The Thayne Manufacturing Company."

Norwalk, Conn.—Seeley C. Ford, bicycles, sold out to A. P. Sherwood.

Peoria, Ill.—The East Side Cycle Works, of Buffalo, N. Y., will remove their plant to Peoria. It has a contract with Rouse, Hazard & Co. for the entire output, including a 28-pound wheel which will be offered to the trade at $65.

Syracuse, N. Y.—The Syracuse Cycle Co. have moved into a new factory building.

New Goods and Improvements.

Coldwater, Mich.—The Perfect Bicycle Lock Co. are putting on the market an improved bicycle lock.

Everett, Mass.—The McCune Cycle Co. are erecting new factory to be 128 x 38 feet, two stories high, and to cost $5000.

Hagerstown, Md.—The Crawford Bicycle Co. have recently added a lot of additional machinery to their bicycle factory.

Philadelphia, Pa.—Jacob Rech & Sons, bicycles, etc., corner Girard Avenue and Eighth Street, have completed extensive alterations to their salesrooms, providing them with three large show windows, and making the place one of the best equipped cycling stores in Philadelphia.

Pittsfield, Mass.—Barker & Belden, bicycles, etc., are remodelling and rearranging their salesroom.

Richmond, Ind.—Percival Lankert is reported as organizing a company to manufacture an improved bicycle stand recently patented by him.

Toledo, Ohio.—The Snell Cycle Fittings Co. report business so favorable that their already large plant is to be considerably increased in capacity. A tract, 430 x 110 feet, adjoining their present plant, has been purchased, and the erection of two additional factory buildings has commenced.

Williamsport, Pa.—Demorest Mfg. Co. are putting on the market an improved bicycle support, and other new bicycle sundries.

Recent Fires.

Milwaukee, Wis.—On the evening of January 8th fire started in the store of the Friese Boat & Cycle Co., No. 410 Milwaukee Street. The firemen did good work and succeeded in extinguishing the flames in time to avoid the ignition of the concern's stock of loaded cartridges, powder and other explosives. The loss by fire and water will be about $1500. The origin is not definitely known.

Oswego, N. Y.—C. B. Rice & Co., manufacturers of bicycles, reported as having been damaged by fire.

Port Huron, Mich.—George E. Yocum, bicycles, etc., reported to have been damaged by fire.

Miscellaneous.

Louisville, Ky.—Harbison & Gathwright, contemplate doing a bicycle jobbing business in the Southern States during the present year.

Memphis, Tenn.—The Young Men's Business League are reported negotiating with bicycle manufacturers, looking to the establishment of a bicycle manufactory in Memphis.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

IF IN WANT OF

Copper Tacks

OR

Brass Shoe Nails,

ADDRESS

Rome Tack and Nail Co.,
ROME, N. Y.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not get. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
2016, $90.00; 2416, $80 00; Ladies', $85 00
Improved on last year's at every point
AGENTS SOLICITED. LARGE DISCOUNT TO DEALERS

Lucas Lamps for 1895

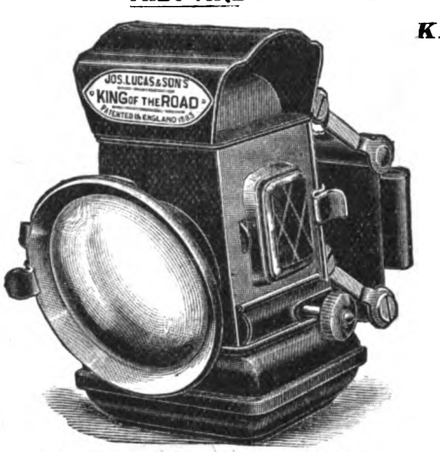


Toura.

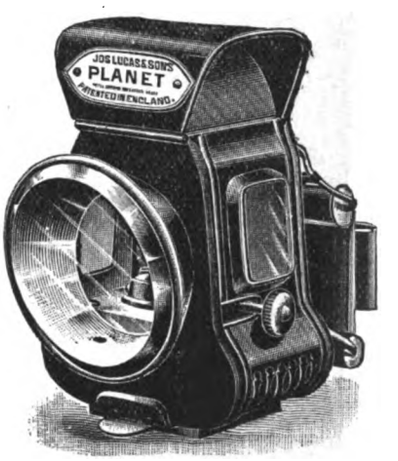
RECOGNIZED by the trade AS the BEST.

Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



King of the Road, 000.



Planet.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, **John H. Graham & Co.,**

Write for Prices. **113 Chambers Street, New York.**

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PRESS THE BOTTOM AND OUR

Mr. W. L. Marks

Will wait on you at the NEW YORK SHOW.

A High Compliment.

At the Chicago Cycle Show over dozen imitations of the genuine East India Stick Grapholine was offered for sale, but agents refused to accept the imitation, and purchased the genuine which bears our trade mark, which has a world wide reputation.

Imported only by

PRINCE WELLS

632 Fourth Ave.,

LOUISVILLE, KY.



Electrotype furnished for Catalogue.

Once a **Puritan** rider you will have no other mount.

Our guarantee means something. We put out only the best and stand back of our out-put.

Our wheels won't break electric cars, stone walls, or telegraph poles, but they will stand the racket on the road.

—MANUFACTURED BY—

Send for Catalogue.

O. J. FAXON & CO.,

3, 5, 7 Appleton Street, Boston

ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

For

1895

We respectfully solicit your orders for

Pieced Tin-ware,
Stamped Tin-ware,
Japanned Tin-ware,
Black Sheet Iron-ware,
Galvanized Sheet Iron-ware,
Enamelled Ware,

and guarantee satisfaction, both as to quality and prices.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

Manufacturers,

St. Paul Ave. and 15th Street,

MILWAUKEE, WIS.

ANDRAE CYCLES

SHOW:

INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE

MILWAUKEE, WIS. U.S.A.

TUDOR IRON WORKS,

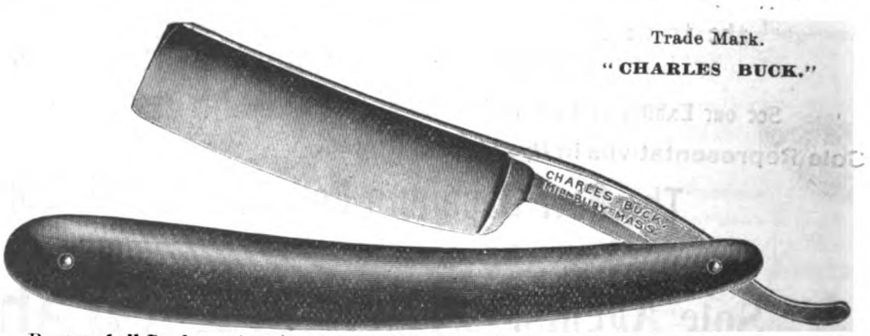
ST. LOUIS.

Manufacturers of

HARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

Trade Mark.
"CHARLES BUCK."



Razors of all Grades and Styles always in Stock. Also Razor Blanks and Handles. We Guarantee that these goods are made strictly by hand from beginning to end. Manufactured by

MILLBURY RAZOR COMPANY, Millbury, Mass.

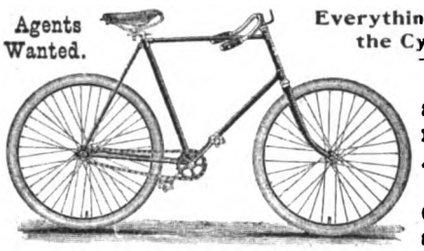
TOWER & LYON, 95 Chambers St., New York. Selling Agents.

Catalogue and Prices on Application.

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R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

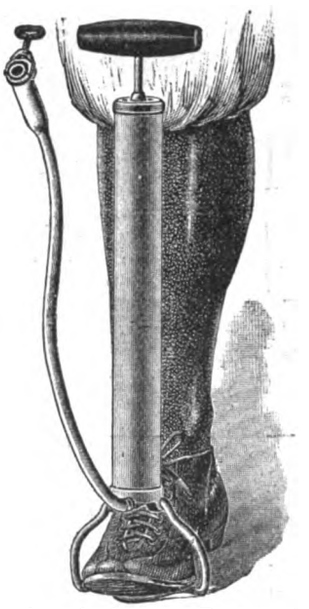
EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

Dull-season advertising must be considered in two ways: As advertising and insurance — insurance of business, insurance against loss of trade. Such insurance should be placed on the same business principles that dictate the placing of fire and life insurance. Pick out the strongest companies — the best papers.



Heath's Ball Valve Pump

and Patented

Universal Coupling.

Attached to any Pneumatic Tire easily and quickly. Always ready. The most prolific producer of high grade wind and the best instrument for placing said wind where it will do the most good. It is guaranteed not to blister your hands nor propogate big swear words during the operation.

ONE USER SAYS:

"Heath's Pump saves time, temper, backache, sore fingers, sore arms, patience, perspiration, soft tires, clothing. Adds pleasure and convenience."

RETAIL PRICE $2.00.

—LIBERAL DISCOUNT TO THE TRADE.—

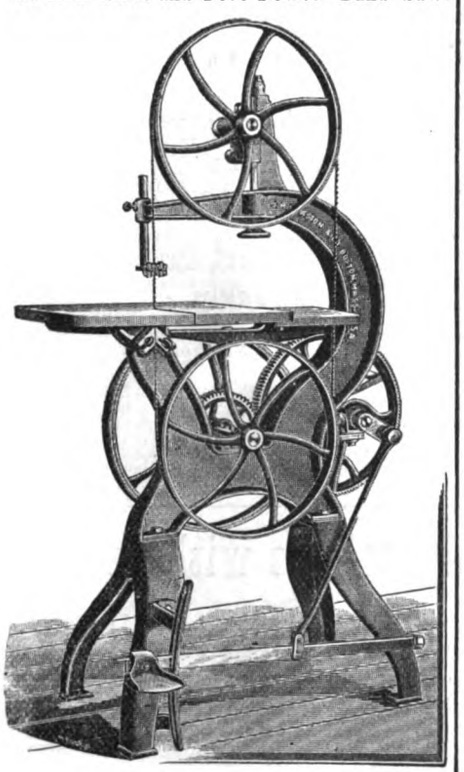
ELECTROS FREE FOR CATALOGUE PURPOSES.

—Sole Manufacturers,—

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

20-inch Hand and Foot Power Band Saw.

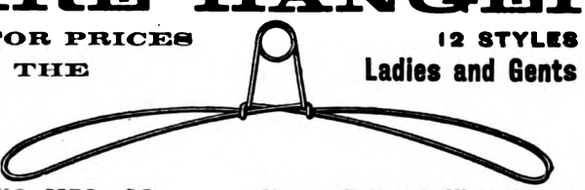


Send for Price List.

J. M. MARSTON & CO., 251 Ruggles Street, BOSTON, MASS.

"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO, No. 115 North Vine St., Hazleton, Pa.

The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

NATIONAL LEAD COMPANY,

No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U. S. A.

BRANCHES: DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1901.

LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



Holds any pipe. Fits any flue. Absolutely soot and spark proof. Impossible for pipe to work loose. Neat, durable, inexpensive.

Liberal Discount to the trade.

One dealer in towns of 1,000 or less.

Write for Prices.

J. K. RANDLES, 309 MAINE ST., Quincy, Ill.



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:IS:—
The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.

WRITE FOR CIRCULARS AND PRICES.

STAR MANUFACTURING CO., CANTON, OHIO.

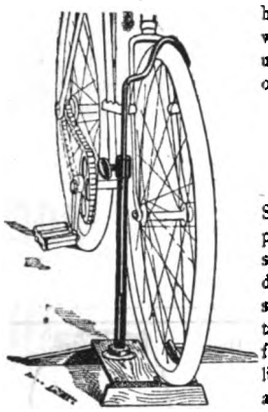
A business without advertising is like a gun without ammunition. Advertise in "HARDWARE."

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The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

WM. M. JUSTICE & CO.,

PITTSBURG, PA.

Liberal Discount to the Trade.

WIRE GOODS.

WIRE TOWEL RACKS, GARMENT HANGERS, SLING SHOTS, EAGLE GAS STOVES, POTATO MASHERS, &c.

Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO.,

New Haven, Conn.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS

THE BEST

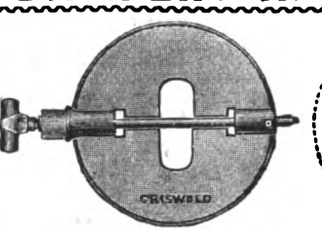
For GAS or GASOLINE STOVES.

Easy to Clean.

LONG WOOD HANDLES.

BUY NO OTHER.





Wood or Nickel Handle.

Ask for the

AMERICAN: BEST SELLER.

BUY NO OTHER.



JUST OUT

BEST CLIP MADE.

Send for Samples.

Griswold Mfg. Co.,

Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

ADAPTED FOR SALE IN HARDWARE STORES



Send for CATALOGUE and mention "HARDWARE."

ANNUNCIATORS. BELLS. BATTERIES.
AND ALL SUPPLIES FOR HOUSE WORK.
CATALOGUES AND QUOTATIONS ON APPLICATION.
PARTRICK & CARTER CO. No 125 So Second St.
MANUFACTURERS PHILADELPHIA.
ESTABLISHED 1867.



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The Fourth National Bank of the City of New York solicits mercantile accounts, and offers to depositors every facility which their balances and responsibility warrant.

CAPITAL, SURPLUS AND PROFITS, . . . $5,000,000

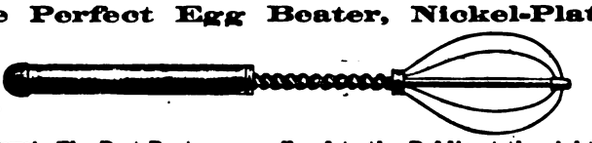
J. EDWARD SIMMONS, President.
CORNELIUS N. BLISS, Vice-Presdient.
JAMES G. CANNON, Vice-President.
C. H. PATTERSON, Cashier.
J. A. HILTNER, Assistant Cashier.

Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.



The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.



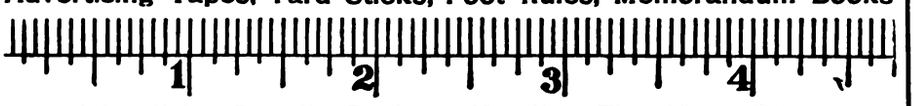


Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by - - **F. H. WEEKS, Akron, Ohio.**

Advertising Novelties.

Advertising Tapes, Yard Sticks, Foot Rules, Memorandum Books



Advertising Pencils, Package Handles, Fire Alarm Chips.

BOSTON TAPE MFG. CO.,

103 Milk Street, Boston, Mass.

Add to your line of Farm Implements our celebrated Brooders which make poultry profitable.



Retail price $14.00.

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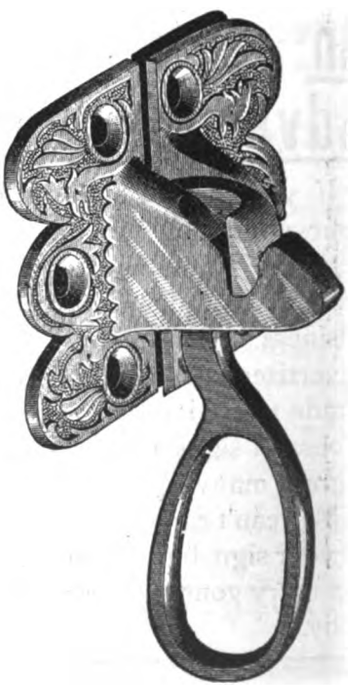
The Columbian Mfg. Co., Greenfield, O.

WOOD MANTELS.



The Conroy
AUTOMATIC
Refrigerator Door Fastener,

Patented Dec. 15th, 1885.



Manufactured by
P. J. Conroy, Manufacturer of
Refrigerator and Ice House Trimmings,
Paschall, Philadelphia.

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The Bank is located in the Hardware District, near the Hardware Club, and solicits the accounts of Hardware Merchants & Manufacturers.

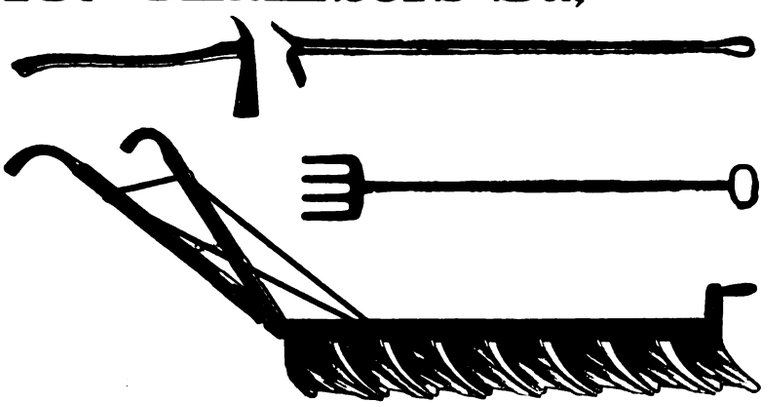
MERCHANTS' EXCHANGE NATIONAL BANK
OF THE CITY OF NEW YORK.
ESTABLISHED 1829.
257 BROADWAY.

Phineas C. Lounsbury, Prest.
Allen S. Apgar, V.-Pr. and Cash.
Edward V. Gambier, Ast. Cashier.

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

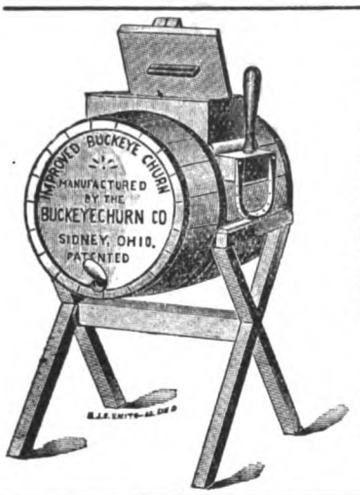
WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware and Agricultural Implements.

Send for Price Lists.



THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,

Sidney, Ohio.



SICKELS, SWEET & LYON,

WHOLESALE HARDWARE,

35 Barclay Street, AND **40 Park Place,**

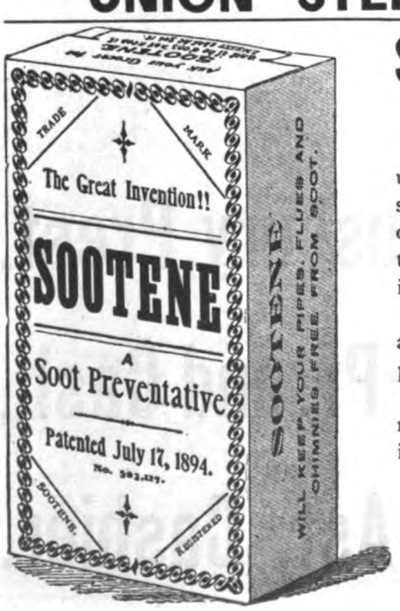
NEW YORK.

SELLING AGENTS FOR

WINSLOW SKATE CO.,

EAGLE FILE CO.,

UNION STEEL SCREW CO.



SOOTENE SERMON No. 1.

SOOTENE means "against soot." It is used to prevent the formation of clinkers in coal stoves, and to reduce the amount of soot and cinders. A small quantity of **SOOTENE** scattered on the coal as you are preparing the fire insures complete combustion.

It is valuable too, for use in a wood stove, and the amount of soot that accumulates in the pipe is nil.

It pays a good profit and will become a rapid seller wherever introduced, and this is an important point to remember.

Write for further particulars to

ROYALL GIVENS,

Corpus Christi, Tex.

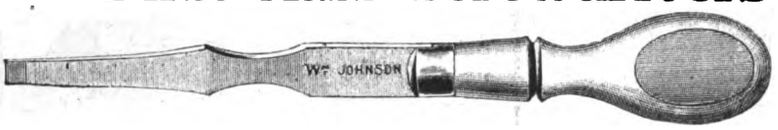
PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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ESTABLISHED A. D. 1830.

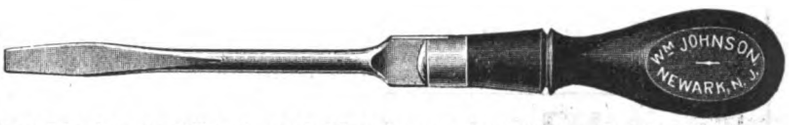
First-Class Screwdrivers in Great Variety.



The call now is for the Best. We can meet the demand. A dozen different kinds. Cheapest to the very Best.

Take no brand but

WILLIAM JOHNSON.

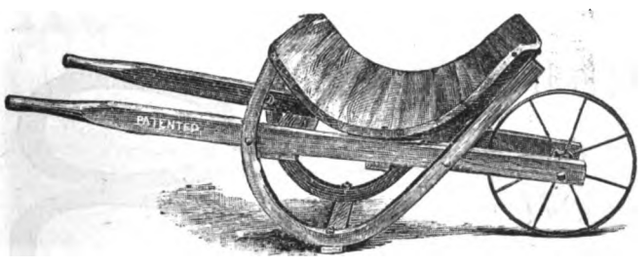


Also a general line of Carpenters' and other Mechanics' Tools and Hardware, including Brick, Plastering and other Trowels, Dividers, Conductors' Punches, Revolving and Spring Punches, &c. &c.

If you want good articles, insist on your Jobber sending you William Johnson's Goods.

For Illustrated Catalogue and trade discounts, write to

WILLIAM JOHNSON, Agt., Manufacturer, Hedenberg Works, Newark, N. J.

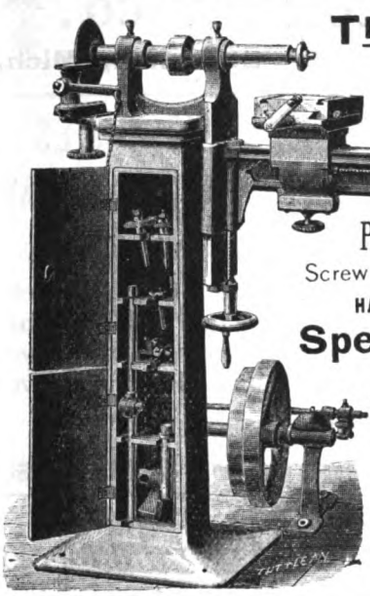


Wheelbarrows of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.



THE CARVIN MACHINE CO.,

MANUFACTURERS OF

UNIVERSAL

Cutter and Tool Grinders,

PLAIN & UNIVERSAL MILLING MACHINES.

Screw Machines, Tapping Machines, Gear Cutters,

HAND LATHES, DRILL PRESSES, SPRING COILERS, ETC.

Special Bicycle Machinery.

ALSO DEALERS IN

METAL WORKING MACHINERY OF ALL KINDS.

Over 600 Various Machine Tools For Immediate Delivery.

LAIGHT AND CANAL STREETS, - NEW YORK

Also 51 North 7th St., Philadelphia, Pa.



Headquarters for

TINNERS' HARDWARE & ROOFERS' SUPPLIES.

Largest stock, greatest variety. Prices lower than ever.

Write us before buying elsewhere

BERGER BROS.,

PHILADELPHIA.



Profitable to the Dealer, Indispensable to the Machinist and Engineer.

It is an absolutely pure, foliated, water-dressed and air-floated American graphite, from our own mines at Ticonderoga, N. Y. It has unrivaled smoothness and endurance. It is entirely inert and not affected by heat, cold, steam, acid, or any known chemical. It largely increases the lubricating value of oils and greases. It may be mixed in water, oil or grease, or used dry.

Jos. Dixon Crucible Co., Jersey City, N. J.



PATENT KANTOPEN HOOKS AND EYES.

Black or white. 3½ cents per card of two dozen each, or $14.00 per cwt., loose in bulk. Sizes 2, 3, 4.

Alfred Shrimpton & Sons, Ltd.,

273 Church Street, NEW YORK.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

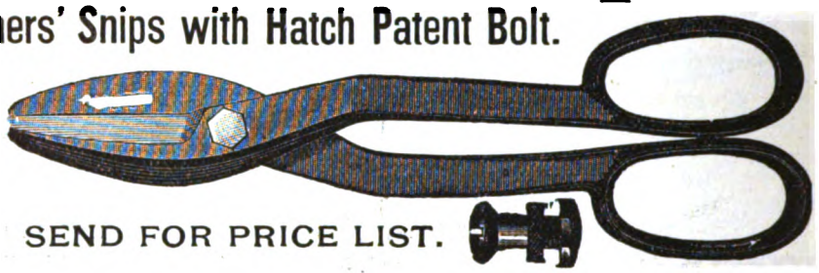


Hatch's Champion

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

Tinners' Snips with Hatch Patent Bolt.

THE BEST SNIP IN THE MARKET.



SEND FOR PRICE LIST.

Every Pair Warranted.
HATCH CUTLERY CO.,
Buchanan, Mich.
97 Chambers St., New York.





PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.
New York Office and Salesroom, 122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York. Shelburne Falls, Mass.

CLAUSS, Fremont, Ohio.





This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

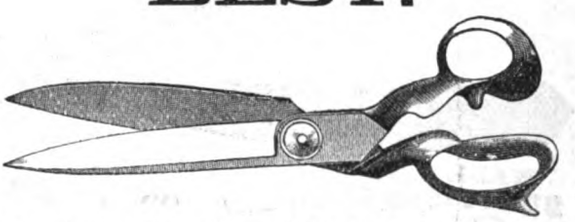
Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.



THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.

CAUTION

TO ALL PURCHASERS OF THE

WELL KNOWN **HEINISCH** - BRAND OF -

Shears, Trimmers, Scissors, Tinners' Snips, &c.

ALL GOODS OF OUR MANUFACTURE ARE STAMPED

R. HEINISCH
NEWARK, N.J.

- OR -

R. HEINISCH
NEWARK, N.J.
U.S.A.

NO OTHERS ARE GENUINE.

NEW YORK OFFICE AND SALESROOM, 90 CHAMBERS ST.

R. HEINISCH'S SONS CO, NEWARK, N. J., U.S.A.

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Our Latest is the Edmonde



And bears the TRADE ROGERS MARK TRADE MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York, Makers for over *One Hundred Years* of the celebrated "*W. Butcher*" Files and Edge Tools and "*Wade & Butcher*" Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE UNDRED AND FIFTY YEARS.

Any Infringement of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836. **ALFRED FIELD & CO.,**

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

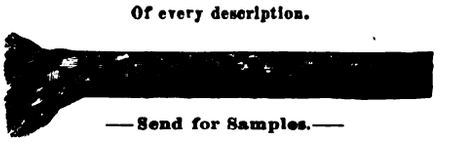
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES, ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

J. H. Sternbergh & Son, READING PENNA.

MANUFACTURERS OF

Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

All of the highest grade of excellence.

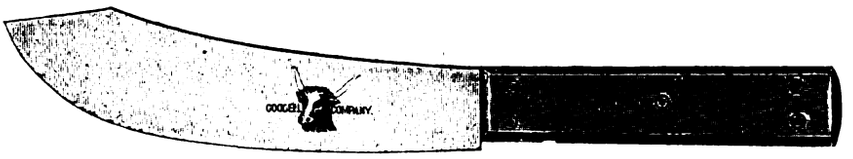
If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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OUR STEER HEAD BRAND

of Butcher Knives are made of the **Best Double Shear Steel** obtainable. The greatest care is exercised in every branch of their manufacture and every knife severely tested before leaving our factory.



They are made in sizes from 6 to 14 in. and are especially designed for butchers or others who want the best knife made, who know a good knife when they use it and are willing to pay a fair price for a knife that suits them.

Dealers are authorized to sell these knives with the understanding that if after a **fair trial** purchaser is not satisfied it is the best knife made anywhere he shall bring it back and get his money.

Necessarily such a knife sells at a high price, but it is the cheapest in the end, and there is a good profit to dealer.

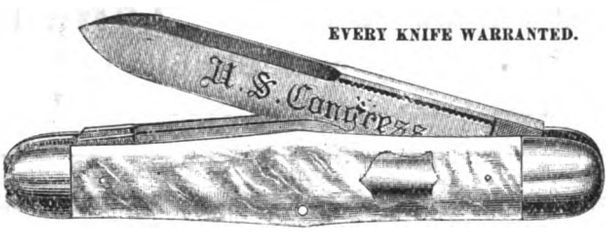
GOODELL COMPANY, - ANTRIM, N. H.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.



Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER

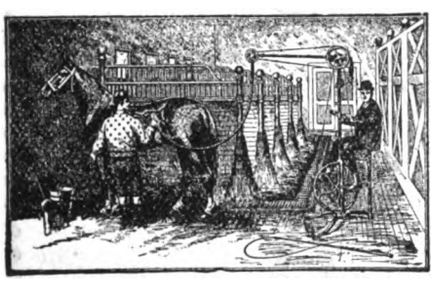


A perfect instrument for sharpening scissors.

No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

Patent applied for

EASTMAN & CO., 64 Read St., New York.

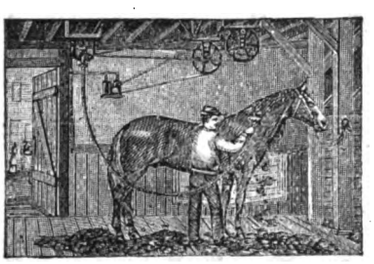


BICYCLE CLIPPER.

HEADQUARTERS FOR

Horse Clipping Machines

Greatest Variety of Power-Horse Clipping Machines in the World.



Poke Clipping Machine, Operated by any Kind of Power.



Gillette's Celebrated Hand Power Machine.

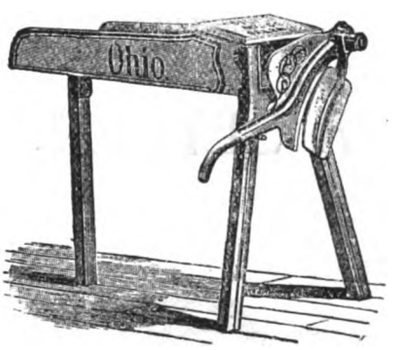
Over 2,700 in use—over 200 in New York City in constant operation. Introduced in the leading Horse Car Stables, Express Companies, Breweries, Dry Goods Houses, Etc., in the United States and foreign countries. Send for Catalogue illustrating our Machines, prices, Etc.

Gillette Clipping Machine Co., 201 East 23d Street, NEW YORK.

First Prize—Highest Medal of Award—World's Fair Chicago, 1893.

"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

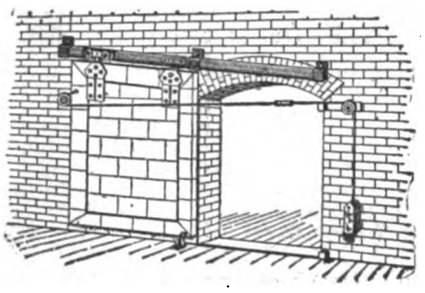
It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers

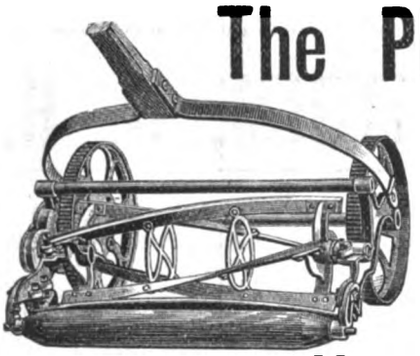
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COBURN TROLLEY TRACK MFG. CO.

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





The Philadelphia Lawn Mower Co.,

3107 and 3109 Chestnut Street,

PHILADELPHIA, PA.

Patentees and Manufacturers

—OF—

The Genuine "PHILADELPHIA" Lawn Mower.

Unexcelled in Quality, Durability and Simplicity.

SEND FOR PRICES AND DISCOUNT.

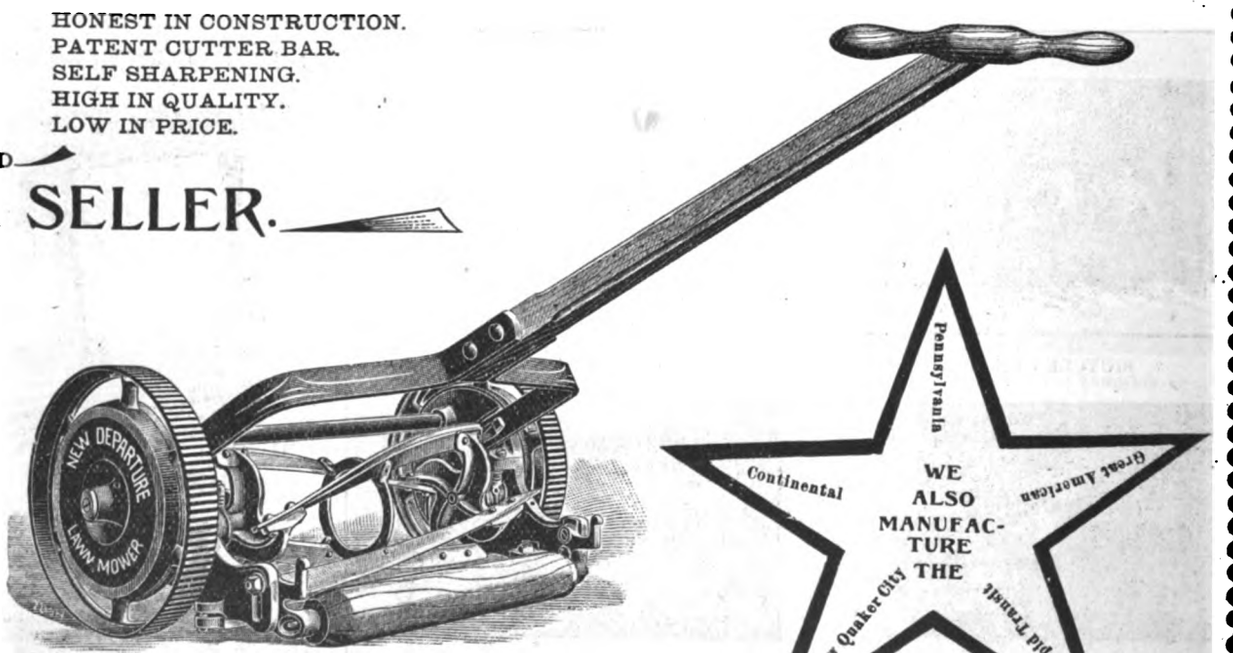
TRUE TO OUR PROMISES,

WE ARE INTRODUCING OUR NEW LINE OF MEDIUM PRICE HIGH GRASS MOWERS **THE NEW DEPARTURE**

HONEST IN CONSTRUCTION.
PATENT CUTTER BAR.
SELF SHARPENING.
HIGH IN QUALITY.
LOW IN PRICE.

AND

A SELLER.





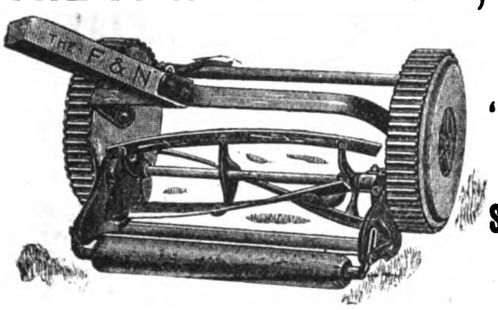
WRITE FOR PRICES TO ANY OF THE LEADING JOBBERS IN THE COUNTRY.

SUPPLEE HARDWARE CO. — PHILADELPHIA, PA.

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

OUR LINE OF

Post-Hole Diggers



Comprises (6) of the Best known styles on the market.

PRICES GREATLY REDUCED.

LAWN RAKES,
GARDEN RAKES,
GARDEN WEEDERS,
LAWN SPRINKLERS,
POST-HOLE DIGGERS,
CURRY COMBS,
PRUNING SHEARS,
CAN OPENERS, &c.

GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES AND ALL KINDS OF FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

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DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

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IVAN T. GOODRICH,

Wholesale Grocer & Dealer in Farmers' Supplies,

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SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
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" Etc., Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

McGuire's ♦ Diamond.

MANUFACTURED BY

Dille & McGuire Mfg. Co.,

RICHMOND, IND., U. S. A.

PRICE-LIST.

Wheels, 8 Inches High. Cutter, 5½ Inches Diameter.

LENGTH.	LIST.	
10 Inch	$13.00	Discount to the Trade, 70 per cent., F.O.B. Factory.
12 "	14.00	
14 "	15.00	
16 "	16.00	
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PHOSPHOR BRONZE JOURNAL BEARINGS. BEST QUALITY STEEL.

This is the Mower contracted for by the Chief of Construction at the Columbian Exposition; was used on the lawns at the World's Fair grounds during the preparatory season of 1892, and being approved by the Landscape Architects, was adopted exclusively for 1893.

If you wish a first-class Mower in all respects, one that is fully warranted,

—BUY McGUIRE'S DIAMOND.—

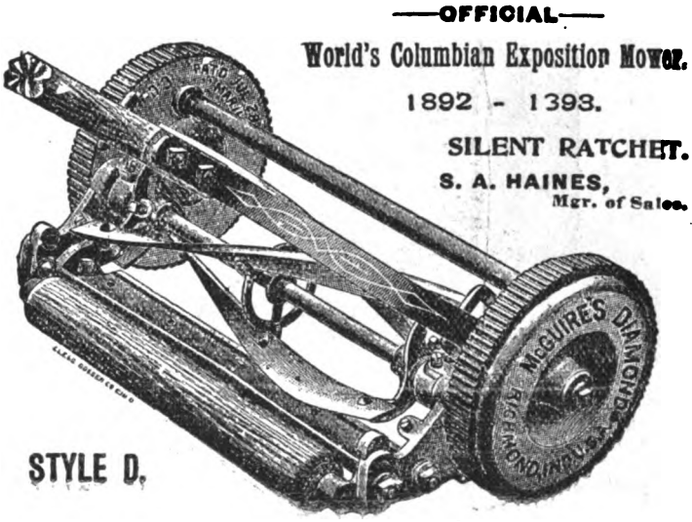
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World's Columbian Exposition Mower.

1892 - 1393.

SILENT RATCHET.

S. A. HAINES,
Mgr. of Sales.

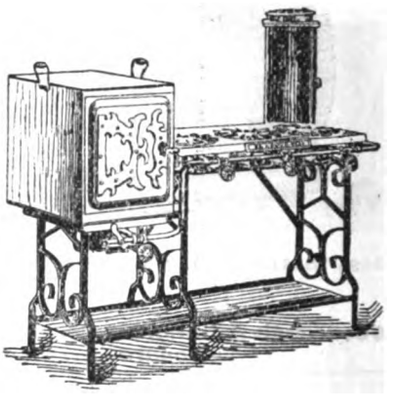


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Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

"NEW GEM"

we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

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THE MT. PENN STOVE WORKS, No. 111 N. Second Street, Philadelphia, and Reading, Pa, agents for Eastern Penna., Northern New Jersey and Delaware.
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We Can Make It Hot For You.

The Parker Heater Absolutely Safe. If you want a good heater to sell, buy the Parker. If you want a heater that is simple in construction, easily operated, and of artistic design, if you want a heater that will HEAT, buy the Parker. It does the business, and is an ornament to any room. Warranted in every respect.

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—ESTABLISHED IN 1874.—

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Also a full line of Shoe Finder's Tacks and Nails.

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Prices and terms quoted promptly on application.

SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

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No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner.
Height, 32½ inches. Spread of Base, 12½ inch

THE MILLER OIL HEATERS.

ust the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

..an Assured Success, from the fact that the Lamps are "The Miller Lamps" THE LATEST AND BEST.

..IESE HEATERS YOU HAVE A HAPPY COMBINATION: he Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Comb Pattern Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

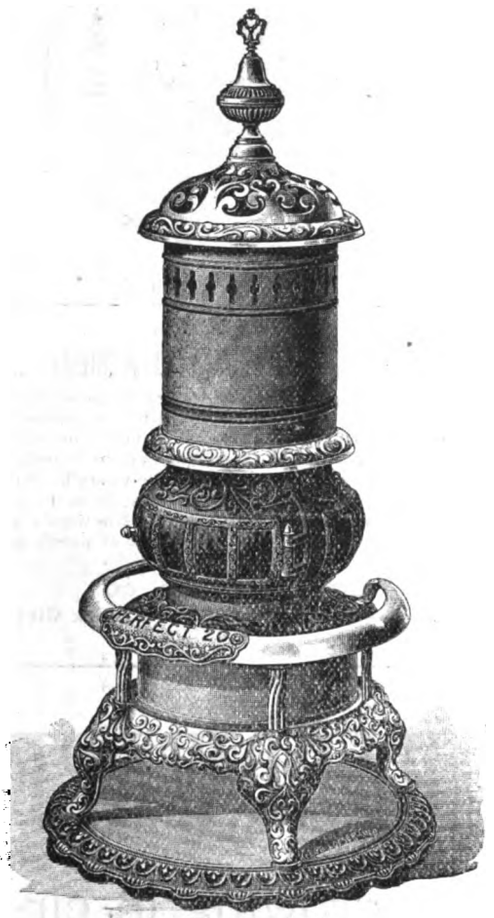
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NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 68 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner.
Height, 32 inches. Spread of Feet, 11¾ inches. Russia Iron with Nickel Lamp and Trimmings.



No. 20 Perfect.

The Perfect Oil Heaters

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

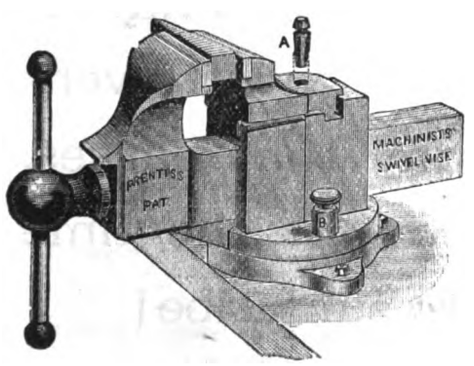
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The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

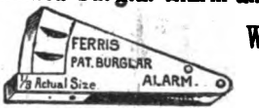
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Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long.



Weight, 3 ounces.

ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

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Every Machine Guaranteed to Give Satisfaction.

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WASHERS.

BIG MONEY TO LIVE DEALERS.

Write for prices and terms. MENTION THIS PAPER.

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BRUCE & COOK,

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We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.



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Corrugated Leader, Tin Round and Square
Corrugated Leader Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks; Black and Tin'd
Lead
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Mandrels
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Metallic Pail
Milk Can Handles
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Roofing, Sheet and Tinned
Pail Woods
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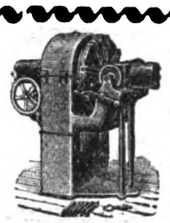
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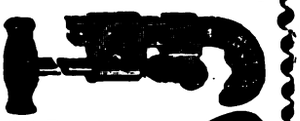
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STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

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Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

R. WOODMAN MFG. & SUPPLY CO.,

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—Send for description, price lists, etc.—



THE JOBBER WHO FAILS

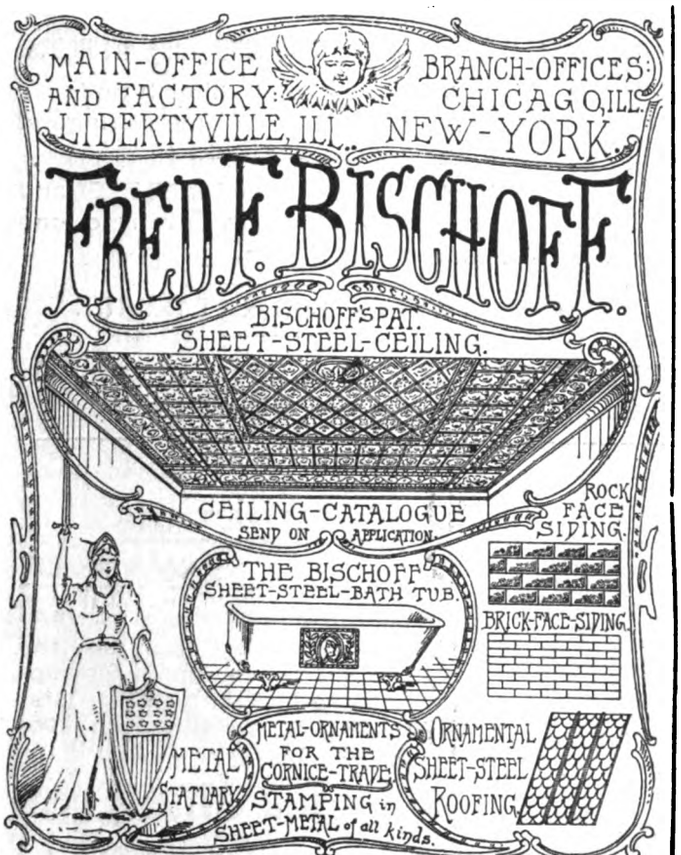
To offer his Customers during the approaching Spring, the chance to buy the . . . . . .

Columbia Tack Pullers

will not be doing justice to himself, his Customers, and our efforts to push the sale of these most excellent articles. Now is the time to "pull" with us. . . . . .

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Power Presses, Foot Presses, Screw Presses,

HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

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146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

WITH THIS NEW

Garden Cultivator

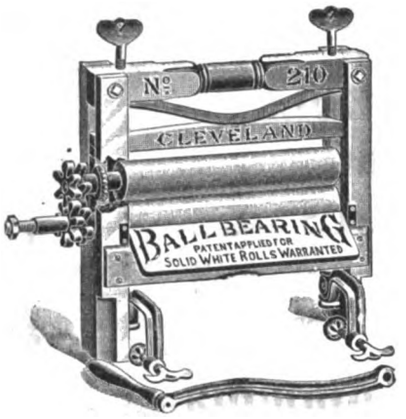


A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG. CO., ROCK FALLS, ILL.

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THE BALL BEARING

"CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

Write for our Illustrated Catalogue.

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Also manufacturers of "TRIANGLE" BICYCLES.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.

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Address, "BUSINESS,"
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A GREAT LEADER for you is
WORTHLY'S PATENT
"SLOW FEED,"
$1.60, 25-lb. Manger.
10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.

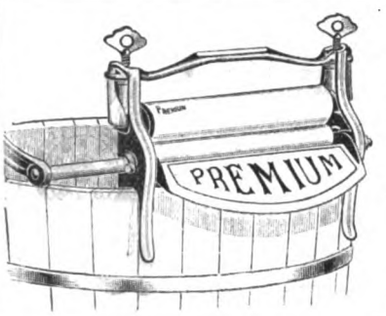


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Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



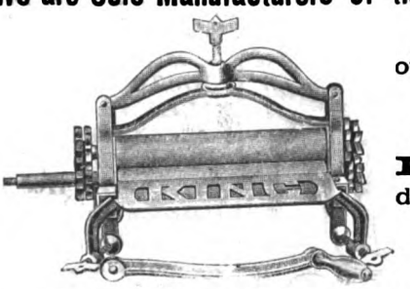
There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,
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SURPLESS, DUNN & ALDER,
Direct Representatives,
15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.

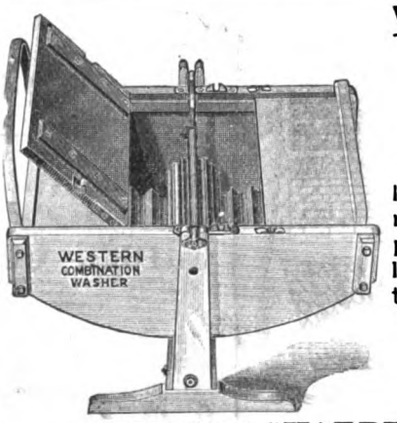


We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

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WESTERN
COMBINATION
WASHER

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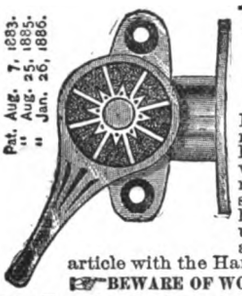
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"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
THE STORM MANUFACTURING CO.
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Formerly of Poughkeepsie, New York.

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Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

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PATENT PERFECTION PADLOCK.



Eight Tumblers. Key Turning Both Ways.

Size ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅜ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

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Are specified by Architects on first-class work everywhere.
They are Safest and Best.

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AGENTS LADIES OR GENTS **$75 A WEEK,** At home, using or selling **Gray Plater,** or collecting goods for us to plate. We do all kinds of plating at our works, manufacture the materials and outfits, and **teach the art.** We sell the only complete outfit, including lathe, wheels, tools and materials for polishing, preparing, plating and finishing everything. Circulars and prices free. **Gray & Co., Plating Works, Dep't 4, Columbus, Ohio.**

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"Excellent Cream!"

Cold Facts.....

The Improved

WHITE MOUNTAIN FREEZER

Makes

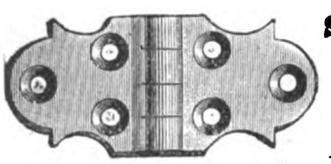
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POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

Sold by Leading Jobbers everywhere.

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Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

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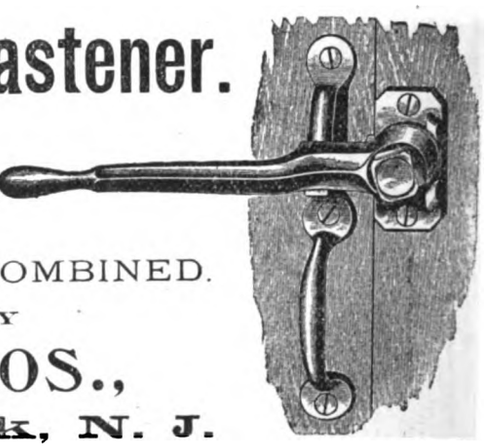
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Durable,
Practical.

HANDLE and WEDGE COMBINED.

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P. H. LEONARD,

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VIENNA CHINA, LIMOGES CHINA,

AND FOREIGN GLASSWARE,

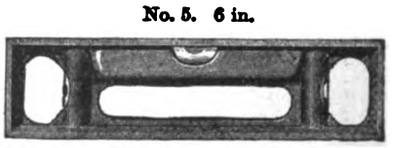
76 & 78 READE ST., NEW YORK.

CARPENTERS' & MACHINISTS'

IRON BENCH LEVEL

WITH DOUBLE PLUMB.

No. 5. 6 in.



MANUFACTURED BY
C. F. RICHARDSON & SON.
25 MAIN STREET, ATHOL, MASS.
Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

"SOLID COMFORT" SADDLES FOR BICYCLES.

TWELVE NEW STYLES FOR 1895. DESIGN AND FINISH ARE UNSURPASSED.

Manufacturers and jobbers should get our prices before placing orders. Our designs are up to date.

Our Prices are "Rock Bottom."

CURTIS-CHILD MANUFACTURING CO.,

Send for new list. PHILADELPHIA, PA.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—

Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—

CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
C. B. Caps, Round Ball..$1.75 25&2%
B.B. Caps, Con. Ball, Swgd...$2.00 2%

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers $1.20.....7½&2%

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $10 ₩ M.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
S.E., 11 up..68c..B.E., 9&10..82c
S.E., 8....96c..B.E., 7....$1.10
P.E., 11 up..1.15..P.E., 9&10...1.50
P.E., 8....1.70..P.E., 7.....1.80
} 20&2%

SHOT—
Drop Shot, sizes smaller than 8, 25-₤ bags ₩ bag.....$1.15
Drop Shot, sizes smaller than 8, 5-₤ bags, ₩ bag.....$ .35
Drop Shot, 8 and larger sizes, 25-₤ bags, ₩ bag.....$1.40
Drop Shot, 8 and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1 40
Buck and Chilled Shot, 5 ₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$1.75
Dust Shot, 5-₤ bags, ₩ bag....$ .45

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 ₤ $3.25
12½ ₤ 1.90
6¼ ₤ 1.10
Rifle special, kegs.....25 ₤ 4.25
12½ ₤ 2.40
6¼ ₤ 1.35
Creedmoor, kegs.....6¼ ₤ 1.10
Ducking, kegs.....6¼ ₤ 3.00
[For 1 to ₤ lots 10% discount.]
Blasting and Mining, A..25 ₤ 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 ₤.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤.....1.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 ₤.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 ₤.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ ₤.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤.....1.35
Mealed Powder, in Kegs, 25 ₤.....4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black.....1.70
Drum, equal in bulk to 10 ₤, best black.....8.25
Drum, equal in bulk to 50 ₤, best black.....41.00
Drum, equal in bulk to 100 ₤, best black.....82.00
Discounts on application.

Anvils—

Eagle Anvils, ₩ ₤ 10c.....15%
Peter Wright's.....11½c
Armitage's Mouse Hole.....10@10½c
Trenton.....10@10½c
American "Horse-Shoe".....11½c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....50%

Augers and Bits—

Auger Bit Association....70&10&10%
Second Quality Goods.....30&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%

HOLLOW AUGERS—
Ives, French, Swift & Co., Douglass'.....35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₩ doz. $30.....40%
Swan's.....40%
Steer's No 1, $26; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%

GIMLET BITS—
Shepardson Diamond ₩ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₩ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—

Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&20%

Awl and Tool Sets—

Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—

G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—

Straight Spring balances.....40%
Common 24 ₤.....₩ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ doz. 80 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—

Enterprise.....30%

Bells—

HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....4 ₩
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....35&10%
Crank, Brooks'.....60&10&5%
Crank, Cone's.....10%
Crank, Connell's.....60&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....60&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....60&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—

Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....30&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—

Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7¼x3½x1, ₩ doz. $11.00.....50%
9x3½x1, ₩ doz. $12.00.....50%

Bit Holders—

Extension:
Millers Falls Barber's, ₩ doz. $15 50%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—

Domestic.....₩ doz. $3....33⅓%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—

Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $3.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9 00
Van Sand's.....55&60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—

Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—

DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts..70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob, " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 60&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &c.—
Common.....80&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '88.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '88.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....80%
Eagle Phila., list Oct. 16, '84....80%
Bay State, list Feb. 28, '88.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—

"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—

Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'	$5.50	$5.75.....50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'	5.50	6.75, 45@ 45&10%

Other Machines....2.25 2.50.....net
Phillips' Patent with Augers.....7.00 7.50 ....
Millers Falls..... 7.50 .... 25%

Bow Pins—

Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—

Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@30%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.....60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

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Amidon's:
Barker's Imp'd Plain...75&10@30%
Barker's Imp. Nickeled.65&10@70
Ratchet.....75&10@30%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $3.10; 10 in. $3.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 28, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 18, 26, 35, 37.....70&10&5%
Ball Braces, net, ₩ doz. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%
Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....85&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....30&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....80&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint...33⅓&10%
Cast Brass, Francis Kell & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....70%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....60⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.35%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....6%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $22.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Parlor Queen.....₩ doz. $24 00
Standard.....₩ doz. $24.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent(Phœnix).45&10&50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%

COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-3, ₩ pair, $1.08.....60&10%
Trace, 6½-10-3, ₩ pair 92c.....60%
Trace, 7-10-3, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Balz Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....20@20&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)....3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....30%
Samson.....₩ doz $10.00

Corn Huskers—
Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ₩ gro. $8.00; R, ₩ gro. $30.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $2.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 3.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.35
5½ 6 7 inches
$1.58 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4½ 5
$1.35 $1.48 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—
Stanley & Patterson, list Jan. 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....30%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....50%
Rubber.....50%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 75@75&10&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....30@35%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Cylindrenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....30&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....30&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $3.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50@11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

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Egg Poachers
Morgan Steam, No. 3. No. 5.
$ doz. $4.20 $6.00....40%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, $ lb.	4½c	5c	2½c
½ kegs, $ lb.	4½c	5½c	2½c
¼ kegs, $ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans, less than 10	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890....60%
Brass....65%

Enameline—
No. 4, $ gro....$4.50
No. 6, $ gro....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890....60%
Brass Thread....65%
Wood....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%
Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined...50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....30%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise $ doz. $36.00....20%
Lane's $ doz. $36.00....25%
Enterprise Molasses Gates....20%

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....55%
Nicholson Files, Rasps, &c....66⅔%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
New American....30&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&50|10%
IMPORTED—
Moss & Gamble, List April 1, 1888, 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, $ doz. $13.00....35&2½
Crown Fluters....30%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers $ doz....$31.00
Keyless M. & I. Co. $ doz....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....$ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
$ doz	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
$ doz	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gas Irons—
Bolg'ano's New Hot Air Perfection Gas Iron....$ doz. $18.00

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....35&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....30&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit $ doz $3.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....50&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....35&10%
Pod....60&10%
Wood head....60&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," $ gr $13....35@35&10%
Bell Hangers....50%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Grindstones—
Family....50%
New York Pattern....30%
Ohio Pattern....10%
Millers Falls....35%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....60&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....$ doz. $6.50

Halters—
Covert Saddlery Works, List 1888.
Rope, ½ in. Jute.
Rope, ½ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....35%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
Fayette R. Plumb....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....30%
Nelson's Tool Works....40&10%
Warner & Nobles....30@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, $ doz. Nos. 1, $3; 2, $4....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholstere s Light, $ doz. $6.25.45%
Upholsterers Heavy, $ doz. $7.60 45%
Upholsterers Usual French, $ doz. $10.00....45%
Upholsterers Solid Steel, French $ doz. $20.00....30%
Upholsterers Rosewood Handles, $ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 lb....$ lb 45c
3 to 5 lb....$ lb 35c
Over 5 lb....$ lb 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c $ lb

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%
STORE DOOR HANDLES—
Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....60%
Dead Lock Handles....75%
DOOR PULL—
Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as $ gr 4.50
" Firmer Chisel, large $ gr 5.00
Apple Firmer Chisel, as.. $ gr 5.00
Apple Firmer Chisel, large $ gr 6.00
Socket Firmer Chisel, as. $ gr 8.00
} 40%
Worcester Leather Cap'd Chisel..25%
File, assorted....$ gr 2.75
Auger, assorted....$ gr 5.00
Auger, large....$ gr 7.00
} 30@30&10%
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....$ set $1.25
Pat. Auger, Swan's....$ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%
CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, $ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track..55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....30&10@30%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., $ doz. pr. 4 in. $10.00; 5 in. $12.00....60&10%
Terry's St'l Anti-Fric. Leader.60&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....30&10%
Davis Hanger....30&10&10%
Stearns' Barn Door....60&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 60&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, $ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10 @35&10%
Warner's Pat....30&10@30&10&10%
Stearns' Anti-Friction....20&10@30 &10&10%
Stearns' Challenge 35&10@35&10&10%
Rider & Wooster, No. 1, 65c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....66%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00....30%

Hay and Straw Knives—
Lightning. Mfrs' price $ doz $18.00, 45%
Gem....$ doz $10
Wadsworth's....40%
Carter's Needle....$ doz $11.50@$13.00
Heath's....$ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....$ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. 6 to 12 in., $ lb 3 9-10c; 14 to 20 in., $ lb 3 4-10c; 22 to 36 in., $ lb 2 9-10c
Heavy Welded Hood... 6 to 12 in., $ lb 3 9-10c; 14 to 20 in., $ lb 3 4-10c; 22 to 36 in., $ lb 2 9-10c
Screw Hook and Eye. ½ in., $ doz $1.80; ⅝ in., $ doz $2.45; ¾ in., $ doz $3.80
} 10%
Rolled Blind Hinges Nos. 20 and 24 60%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., $ 100 lb $5.75, over 14 in., $ 100 lb....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....30%
Acme....30%
J. S....25&10%
Empire and Crown....20%
Stover Ideal $ gro....$13.00
New Idea $ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....30%
Oxford....30%
Barker's Double Acting...25@25&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@30%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—
Western....$ doz $4.40, 60%
N. E....$ doz $7.00, 55%
N. E. Reversible, $ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....$ doz $5.00, 55&10%
Automatic....$ doz $12.50, 50%
Keil's Superior....20%
Common Sense...$ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....30%
Reed's Latch and Hinges...$ doz $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&2%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 2, 3, 5, 40 and 50....30%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....30%
Buffalo....30%
Clark's Genuine Pattern....30%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2¼, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c....60%
Planter's Cotton, &c....30%
Warren Hoe....65%
Magic....$ doz $4.00
Dunlap's:
Boys' hoes....$ doz $3.00, 30%
Ladies' hoes....$ doz $3.00, 30%
Scuffle....30%

EYE—
D. & H. Scovill....30%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, $ doz $1.25
Hill's Tongs....$ doz $3.00
Hill's Rings...$ doz bxs $2.15@$1.00
Perfect Rings...$ doz bxs $1.80@$1.70
Perfect Ringers...$ doz $2.15@$2.25
Blair's Hog Ringer $ doz $2.25@$2.50
Blair's Hog Rings...$ doz 90c@$1.00
Champion Ringers....$ doz $2.00
Champion Rings, Double, $ doz $2.25
Brown's Ringers....$ doz $2.00
Brown's Rings....$ doz $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%
Boilers and Saucepans....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove....50%
Maslin Kettles....65&10%
Boilers and Saucepans....45&5%
Granite and Agate-Ware, list Jan. 1, 1894....25%
Ironclad Enameled-Ware 33⅓&10%
Rustless Hollow-Ware....70@70&5%
Triumph Broilers....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton....
Meriden Britannia Co....
Simpson, Hall, Miller & Co....
Rogers & Brother....
} 40&5%

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Hartford Silver-Plate Co. } 40&5&5
William Rogers Mfg. Co. }

Hooks—
CAST IRON—
Bird Cage, Sargent's list } 60&10&10%
Bird Cage, Reading.... }
Clothes Line, Sargent's list. }
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%
WROUGHT IRON—
Cotton.....₩ dos $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%
WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.
MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	25c	25c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	26c	26c	25c	24c	23c.	40&10&5&5&2½&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	26c	21c	20c	19c	18c	25%
Northw't'n.	25c	23c	23c	21c	20c.	25@25&5%
A. U.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	23c	23c	23c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	15c.	10&5%
Anchor	23c	21c	20c	19c	18c	35%
Western	23c	21c	23c	19c	16c	50%
Empire Bronsed	13@14c ₩ ℔					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
See Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$6.40	$9.00	$10.80	$12.60
Each	.30	.45	.75	.90	1.05

Quarts.	12	16	18	20
Inches.	12x9	13x9½	14x10	15x10½
Dozen.	$14.40	$18.00	$20.64	$23.40
Each	1.20	1.50	1.72	1.95
Quarts.	24	32	40	48
Inches.	16x11	17x11½	18x12	19x13
Dozen.	$27.00	$32.40	$41.58	$49.50
Each	2.25	2.70	3.47	4.13
Quarts.	56	72	100	128
Inches.	20x14	22x15½	24x17	26x18½
Dozen.	$65.34	$79.20	$108.90	$136.62
Each	5.45	6 60	9.08	11.38

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen.	$5.40	$9.00	$10.80	$12.60
Each	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen.		$14.40	$18.00	$20.64
Each		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen.		$23.40	$27.00	$32.40
Each		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Assb'n List Dec. 30, 1886.50&10@ 60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ dos $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz. 85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Mource's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $2.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75, 20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $5.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ dos. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ dos $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....33c
Silver Lake, Braided, No. 0, $6.00; No. 1, $5.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ dos. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delta Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dieta, Nos. 51 to 68.....40%
Dieta, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 585..15%
A. E. Deitz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 140 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 81 line.....30%
No. 457.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ dos 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$20.00

Woodruff's ₩ dos.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ dos.....70%

Nos.	11	12	13
	$27.00	$32.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$3.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ dos...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ dos $26.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8
	$50	$75	$60	$225

.....20@25%
Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ dos $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mower

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%
PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list, .40&10%
Niles' Patent.....40%
FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronse.....10%
China.....25%

Nail Pullers—
Curtiss Hammer.....₩ dos $9.00
Giant, No. 1.....₩ dos $18.00, 10%
Giant, No. 2.....₩ dos $15.00, 10%
Pelican.....₩ dos $9.00, 25%
Lightning.....₩ dos $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....30%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $3.00, 15@30%
Turner & Seymour Mfg. Co.....50%

Nuts—

	Sq.	Hex.
Nuts, off list Dec 18, 1889: Hot Pressed	5.50c	6.10c
Cold Punched	5.10c	5.30c
Cold Pressed C. & T.	4.30c	

In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved .10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%
OIL STONES—
Pikes Washita:
Extra Green Paper Wrapper, ₩ ℔..... .50
No. 1..... .40
No. 2..... .30
Pike's Washita Round Edge Slips:
Extra, 3 to 5x1¾ to 2x¾ to ⅝ at back, ⅛ to 5-16 edge ₩ ℔ .80
No. 1, (same sizes as above) " .70
No. 2, " " .40
Penknife Pieces, 3 to 5 x 1 to 1¼x¾ to ⅝ ₩ ℔..... .70
Discount 33⅓%
Pike's Washita Mounted:
8x3, ₩ doz.....$12.00
6x2, " 10.00
4x1¼ " 7.00
Discount 33⅓&10%
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ ℔..... .34
" 2x2x½, extra selected.. .40
Discount 33⅓%
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 2.80
No. 1, 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 3.50
No. 1, 3 to 12x1¾ to 2½x¾ to 1¼, ₩ ℔..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅜ to ⅝ ₩ ℔..... 4.00
No. 2, assorted sizes, ₩ ℔..... 3.00
Discount 33⅓%
Pike's Soft Arkansas:
Assortment A, ₩ ℔..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.80
" No. 2 " 1.50
Discount 33⅓%
Pike's Hindostan Water and Oil Stone:
No. 1, about 3x2x¾ to 1¼, ₩ ℔ .08
Washita Finish, about 3x2x¾ to 1¼, ₩ ℔..... .10

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Round Edge Slips, about 6x1¼ to 2x½ to ¾ back x ⅛ to ¼ edge, ₩ lb. .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb. .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross. 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross. .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb. .06
Small Axe, about 3x2x½ to 1 ₩ lb. .10
Special Axe, 3½x1½x½ ₩ lb. .18
Pike's Sandstones:
Small, 8x1½x1¼, weight about 1 lb, ₩ lb. .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ lb. .06
Large, 8¼ to 9x3½x2, weight about 2 lb. ₩ lb. .08
Small table, 9 to 9½x3½x2, weight about 4 lb, ₩ lb. .08
Large Table, 10x4x2 " .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb. .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston " 60%
" Excelsior " Self-Vulcanising, per lb 70c. 40%
Boston " Phœnix " Red Sheet, per lb. 50c. net
N. Y. B. & P. Co., Standard. 50%
N. Y. B. & P. Co., Empire. 60%
N. Y. B. & P. Co., Salamander. 35%
N. Y. B. & P. Co., 1846-Para. 40&10%
N.Y.B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon. 60&10%
Standard. 60&10%
Extra. 50&10%
Cleve. Rubber Co., Buckeye. 75%
Cleve. Rubber Co., High Grade. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard. ₩ lb 30c. 35&5%
MISCELLANEOUS—
American Packing. 10c@11c ₩ lb
Russian Packing. 14c ₩ lb
Italian Packing. 13c@14c ₩ lb
Cotton Packing. 15c@17c ₩ lb
Jute. 7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance. ₩ doz $4.75
Baldwin. ₩ doz 5.25
Bonanza. ₩ doz 5.00
Daisy. ₩ doz 4.00
Dandy. ₩ doz 7.50
Eureka, 1888. each 16.00
Family Bay State. ₩ doz 12.00
Favorite. ₩ doz 5.00
Ideal. ₩ doz 4.00
Improved Bay State. ₩ dz. $27@30.00
Little Star. ₩ doz 4.50
Monarch. ₩ doz 13.50
New Lightning. ₩ doz 5.50
Penn. ₩ doz 4.00
Perfection. ₩ doz 4.00
Pomona. ₩ doz 4.00
Rocking Table. ₩ doz 6.00
Turntable. ₩ doz 4.50
Waverly. ₩ doz 4.00
White Mountain. ₩ doz 4.00
72. ₩ doz 4.25
78. ₩ doz 7.00
Oriole, ₩ doz $5.00. 30&10%
Victor, ₩ doz $15.00. 30%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 30%
POTATO—
White Mountain. ₩ doz $4.50
Antrim Combination. ₩ doz 5.50
Hoosier. ₩ doz 13.50
Saratoga. ₩ doz 5.50

Pencils—
Faber's Carpenters'. high list 50%
Faber's Round Gilt. ₩ gro $5.25
Dixon's Lead. ₩ gro 4.50
Dixon's Mascot, Round. ₩ gro. $3.10
Dixon's Mascot, Hexagon. ₩ gro. 3.38
Dixon's Lumber. ₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead. ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00. 60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding. 50%
Bench, First Quality. 55%
Bench, Second Quality. 60%
Bailey's (Stanley R. & L. Co.). 40%
C. E. Jennings & Co. 50&10%
U. S. Ship. 45%
U. S. Grooving. 40%
Fales Bench. 30%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's. 40%
Victor. 30%
Miscellaneous. 35%
Steer's Iron Planes. 40@40&10%
Meriden Mal. Iron Co.'s. 40@40&10%
Davis's Iron Planes. 40@40&10%
Gage Tool Co.'s Self-Setting. 20&10%
Chaplin's Iron Planes. 40@40&10%
Sargent's. 40&10%
Standard Tool Co. 50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's. $5.00@$5.25 to £
Buck Bros. 30%
Auburn "Thistle". 25%
Ohio. 25%
Sandusky. 25%
S. & I. J. White. 25%
Stanley Rule & Level Co. 50%
C. E. Jennings & Co. 25&10%
Hinsdale. 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers. 33⅓%
Hall's X American Pliers. 20%
Hall's Side Cutting Pliers. 30%
Hall's Nippers. 30%
Button's Patent. 50%
Humason & Beckley Mfg. Co. 50@50 &10%
Gas Pliers. 60%
Eureka Pliers and Nippers. 40%
P. S. & W. Cast Steel. 50%
P. S. & W. Tinners' Cutting Nippers. add 6% dis. 10%
Carew's Pat. Wire Cutters. 30%
Swiss Pliers. 25%
Stubs'. 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00. 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5¼ in. ₩ doz. $3.00; 6¼ in. ₩ doz. $2.75
Wm. Johnson's Gas Pliers. 66⅔%

Plumbs and Levels—
Millers Falls. 33⅓%
Stratton's Nos. 1, 10, 11, 12. 25%
Stratton's Nos. 2 to 8. 50%
Cook's. 40&10%
Stanley's. 75%
Regular List. 75%
Disston's. 50%
Pocket Levels. 70%
Davis' Iron Levels. 20&10%
Davis' Inclinometers. 10&10%
Wood's Extension Sight. 30%
Plumb Bobs. 40%
Wm. Johnson's. 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's. 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz. 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz. 10%
J. P. Lovell's Police Goods. 25%

Polish, Metal—
Prestoline. 20&10%
Prestoline Paste. 33⅓%

Polish, Stove—
Joseph Dixon's. ₩ gro $6.00, 10%
Gem. ₩ gro $4.50, 10%
Lustro. ₩ gro $4.75
Rising Sun, 5 gro lots. ₩ gro $5.50
Dixon's Plumbago. ₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw. ₩ doz $18.00, 25%
Disston's Pruning Hook. ₩ doz $13.50, 25&5%
Seymour Smith & Son's. ₩ doz. $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%
Pruning Shears, Henry's Pat. ₩ doz. $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination. ₩ doz $12.00, 20%
Dunlap's Saw and Chisel. ₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&3%

Pulleys—
Axle. 60%
Dumb Waiter. 60%
Ceiling. 60&10%
Hot House. 60%
Upright. 60&10&10%
Screw. 60&10&10%
Clothes Line. 55@60&10%
Awning. 60&10&10%
Empire Sash Pulley. 60%
Common Sense. 60%
Moore's Sash, Anti-Friction. 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50. 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $6.75. 50%
Shade Rack. 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00. 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers. 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig 328, 3 in. Shallow Well Pump. $13 00
No. 8, Fig 328, 3½ in. Shallow Well Pump. $15 00
No. 9, Fig 307, 3 in. Deep Well Pump. $15.00
No 6½, Fig. 307, 3½ in. Deep Well Pump. $17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump. $15.00
No. 32, Fig. 523, 3 in Deep Well Pump. $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump. $14.00
No 9, Fig. 332, 3½ in. Shallow Well Pump. $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump. $15.00
No. 72, Fig 333, 3 in. Deep Well Pump. $15 00
No. 73, Fig. 333, 3½ in. Deep Well Pump. $16.00
No. 102, Fig. 448, 3 in. Lift Pump. $10.00
No 118, Fig. 448, 3½ in. Lift Pump. $12.00
No 128, Fig. 510, 3 in. Lift Pump. $7.00
No 131 Fig. 510, 3½ in. Lift Pump. $8.00
No. 225, Fig. 389, Windmill Pump. $12.50
No. 230, Fig. 402, Windmill Pump. $13.50
No. 2 5, Fig. 408, Windmill Pump. $14.50
No. 240, Fig. 406, Regulator Pump. $30.00
No. 280 Fig. 4?4, Imperial Cyclone Pump. $18 00
No. 285, Fig. 5?2, Cyclone Tank Force Pump. $ 7 00
No. 287, Fig. 488, Geyser Tank Force Pump. $17.00
No. 268, Fig 513, Low Down Tank Force Pump. $16 00
No. 3?2, Fig. 477, Spray Pump complete. $11.50
No. 820 Fig. 492, Bucket Spray Pump. $5.50
No. 33, Fig 547, Knapsack Spray Pump. $1? .00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 60@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat. 15%
Bemis & Call Co.'s Springfield Socket. 65%
Bemis & Call Co.'s Spring and Check. 50%
Solid Tinners', P. S. & W. Co. ₩ doz. $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co. 30&2%
Rice Hand Punches. 15%
Avery's Revolving. 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots. 33⅓%
Lesser quantities. 25%
Niagara Hollow. 20%
Niagara Solid. 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronsed Wr't Iron. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet. $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft. 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. $2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot. 4½c
Victor Track Rail, 7c ₩ foot. 50&2%
Carrier Steel Rail, ₩ foot. 4½c
Moore's Wrought Steel. 25&10%

Rakes—
Cast Steel, Association goods. 70%
Cast Steel, outside goods. 70&5%
Malleable. 70@70&5%
Oneida Lawn. $8.00 doz., net
Gibbs' Lawn Rake. net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite. net ₩ doz $3.90
Gibbs' Acme. net ₩ doz. $4.75
Gibbs' Crown, No. 1 net ₩ doz. $4.90
Gibbs' Crown, No. 2 net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1 net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless. 65%
Fort Madison Steel Tooth Lawn Rake. $6.00. 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25...30%
Boys' rakes. ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth $3.40; No. 2 $4.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust. $1.50
Gibbs' Garden:
Boss, No. 14. net ₩ doz. $2.95
Boss, No. 18. net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co. 30%
Wostenholm and Butcher, $10.00 to £. net
Jordan's AAAI, list Nov. 1, 1889. 50%
Jordan's Old Faithful, list Nov. 1, 1889. 50%
Electric. List net
Campbell's Celebrated Warranted. 50%

Refrigerator Hardware—
Franci-Keil & Son. 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887. 60&10%
Copper. 50@10%
Coopers. 60&10%
Block. 60&10%
Carriage. 60&10%
Hame. 60&10%
Belt "Bettina" with Burrs. 50&5%
Burrs. 60&10%
American Screw Co.:
Bay State Rivets ¼c. ₩ lb less than Norway Rivets.
Belt with Burrs. 60&10%

Rivet Sets—
Regular list. 55&5%

Rods—
Stair, Brass. 30%
Stair, Black Walnut. ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door. 55%
Moore's Adjustable Stay. 55%
Union Barn Door Roller. 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜. ₩ lb 8¼c
Manilla, ¼ and 5-16. ₩ lb 8¾c
Sisal, 7-16 and larger. ₩ lb 5¾c
Sisal, ⅜. ₩ lb 6¼c
Sisal, ¼ and 5-16. ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5¼c
Cotton Rope. ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila, ⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope. ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal, ⅜ in ₩ lb 6 c
Sisal, ¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope. ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1½% for cash in 10 days.
Cotton Rope. ₩ lb 11@18c net
Jute Rope. ₩ lb 5@6c net

Rules—
Boxwood. 80%
Ivory. 50%
Miscellaneous, Stanley's. 60%
Starrett's Rules and Straight Edges, Steel. 25&10%

Sad Irons—
From 4 to 10 at factory. ₩ 100 lb $2.50@$3.75
Self-heating. ₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet. 30%
Enterprise Star Irons. 30%
Chinese Laundry:
New England Butt Co. 8½c, 15%
New England. 8c, 15%
Mahony's Troy Pol. Irons. 15%
Sensible. 20%
National Self-heating. 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set. $ .75 net.
No 55, ₩ set. .70 net.
No. 60, ₩ set. .50 net.
No. 65, ₩ set. .75 net.
Outfits, No 550, each. 2.60 net.
Outfits, No. 555, each. 2.45 net.
Calebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net. $3.40
Crown Sad Irons, No. 235, per dozen, net. $9.00
Chinese Laundry, net ₩ lb. .16

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper. 50&5%
Emery Cloth. 50&5%
Garnet Paper. 30&5%

Sash Chain—
Giant. 40%
Monarch. 50%
Red Metal. 40&10&10%
Steel. 40&10&10%
Morton's:
Champion Metal. 2½
Steel Cable. 2½

Sash Cord—
Common. ₩ lb 10@11
Jute, good quality. ₩ lb 11
White Cotton Braided, fair. ₩ lb 2
Common Russia Sash. ₩ lb 16c
Patent Russia Sash. ₩ lb 15c
Cable Laid Italian Sash ₩ lb 25½c@35c
India Cable Laid Sash. ₩ lb 14c
Silver Lake:
A Quality, White. 30%
A Quality, Drab. 25%
B Quality, White. 40%
B Quality, Drab. 30&10%
C Quality, White (only) 25½c@35c
Sylvan Spring
Extra Braided White. 35c
Extra Braided Drab. 37½c
No. 4 Braided White, $3.00. 10&10%
No. 4 Braided Drab, $3.00. 10&10%
No. 4 Braided Colors, $3.50. 10&10%

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Semper Idem, Braided White....27c
Samson:
" Mass." White, Cotton.....27c
" Samson " White, Cotton.....35c
" Samson " Drab, Cotton.....43c
" Samson " Italian Hemp.....40c
" Samson " Linen.....56c
Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₩ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'sed.....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances..35&5&2½
Hugunin's New Sash Locks 35&5&2½
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888. 60&10&10%
Security.....70%
Sash Weights—
Solid Eyes.....₩ ton $32.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%
Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ₩ foot
X Cuts, Perforated.....30c. ₩ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%
HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%
Saw Frames—
Star Hack.....25%
White Vermont..₩ gro. $9.50@$10.00
Red, Polished and Varnished..₩ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever. Nos. 40, 45.....55%
Common Lever ₩ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $16.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $20.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets ₩ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₩ doz. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leonard.....₩ doz., $15.00, 40%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Richie Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%
Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%
Scrapers, &c.
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....₩ doz., $4.00, 10%
Box, 2 Handle.....₩ doz., $6.00, 10%
Defiance Box & Ship.....30&10%
Foot.....50&10@60%
Ship Common.....₩ doz., $3.50 net
Ship, R. I. Tool Co.....10%
Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....6 %
Extension.....50&10&5%
Flyer.....10&1½%
Window Screen Frames.....60&5%
Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30 & 35%
Standard Oil.....35 & 40%
Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
O.T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₩ doz., 70@55c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....35&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₩ doz.....90c } 50%
Beauty, ₩ doz.....$1.00 }
Wm. Johnson's:
13 A.....70&10%
135½ Extra.....70%
134 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%
Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head.....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....81%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....9'&5%
Bed.....30&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Onar.....60&10%
Scroll Saws—
C. E. Jennings & Co.....35%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....35%
Barnes, Scroll Saw Blades.....35%
Scythes—
Grain.....40&5@40&10%
Grass.....40&10%
Sets—
See Awl and Tool Sets.
Shears—
Ætna, Steel Japanned.....60&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trimmers. ₩ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1891. 60&10@60&10&5%
Heinisch's List, Dec. 1891. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.....65%
Campbell Cutlery Co.'s Scissors.....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....90&10%
Hatfield Sheaves.....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bess, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ ℔ 7½c
Perkins Improved Snow.....₩ ℔ 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots.....₩ ℔ 9c
1000 ℔ lots.....₩ ℔ 9½c
500 ℔ lots.....₩ ℔ 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ₩ doz. $6.25 25&20%
Snow, D Handle, ₩ doz., $7.25 25&20%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....30&10&5%
Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%
Sifters, Flour—
Shaker, Sidney Shepard & Co., ₩ doz. $2.00
Hunters.....₩ doz. $2.00
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....
Spoke Shaves—
Iron.....45%
Wood.....20%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Falls.....25%
Wm. Johnson's:
Wood, 1st.....3½%
Wood, 2nd Quality.....3½%
Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co. 40 &15&10&10
L. Boardman & Son.....40&12½%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron.....
Nickel-Plated.....
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....35&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20&25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Strops—
See Razor Strops.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
An extra discount of 25&2½% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ₩ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ₩ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ₩ box.....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ₩ box.....$5.15
Atlas "Home" Tacks:
No. 50, ₩ carton..... $3.00 }
No. 50, ₩ case..... 36.00 } 50%
No. 100, ₩ carton..... 6.00 }
No. 100, ₩ case..... 72.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....55%
Swedes Iron, Tinned or Cop'd....55%
Am Iron Cut Tacks.....55%
Swedes Iron, Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc. Swedes Iron.....50%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered.....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....60%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....7%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car, Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3 75
Comb., Car., Wood Track....$ 3 25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (including four sling ropes).$12.00
Sure Grip Sling Car, Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps ₩ ft.....09
Single Rail Steel Track with clamps ₩ ft.....09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 75
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig 4 8 ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 765, ₩ doz.. $1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz. $2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$2.00
Floor Hooks, ¾ in ₩ doz.....65
Hanging Hooks for Double Steel Track, ₩ doz.....60
Hanging Hooks for Single Steel Track, ₩ doz.....60
Hanging Hooks for Wood Track, 10 in. ₩ doz.....45
Hanging Hooks for Wood Track, 12 in, ₩ doz.....55
Wrought Rafter Brackets, ₩ doz.....45
Malleable Rafter Brackets, ₩ doz.....45
Rope Hitch, ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 30@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 20%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50, 15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Elite Rat.....50%
FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johns n's:
Brick and Plastering.....40%
Brick No. 100 extra.....30%
Pointing.....40%
Corner.....40%

Vises—
Solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....35&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5½c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....30&10%
Picture Wire.....New list 30&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting.....30&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....30%
Baxter's Diagonal.....30%
Coes' Genuine.....50%
Coes' "Mechanics'."....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'30&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought..... 30&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Saillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30 Erie, 11 inch	27.00
No. 55, King, 11 inch	28 28
No. 45, King, 10x1¾ inch	26.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 in h	16.50
No 3, Zenith, 11 inch	19.00
No 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99 Pittsburg, 11x2 inch	31 00
No. 33, Nonpareil, 11x1¾ inch	28.00
No. 44, Nonpareil, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29 00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₩ gal. 50c
Linseed. City, Boiled.....₩ gal. 53c
Linseed. Western, Raw...₩ gal. 54c
Lard, City, Extra, Winter.₩ gal. 56c
Lard, City, Prime.....₩ gal. 54c
Lard, City, Extra No. 1...₩ gal 50c
Lard, City, No. 1.....₩ gal. 45c

Paints and Colors—
Barytes, Foreign ₩ ton $22.00@$25 00
Barytes, American, Floated.....₩ ton $26.00@$28 00
Barytes, American, No. 1.....₩ ton $16.00@$18.00
Barytes, American, No. 2.....₩ ton $13 60@$15.00
Barytes, American, No. 3.....₩ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small package.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5½@6½c
Lead, Red, in kegs.....5½@6c
Litharge, in kegs.....5½@6c
Zinc, American, Dry.....3½@4½

Putty—
In Barrels and half bbls. .01⅝@.01¾
In Tubs.....01⅝@.01¾
In Tin Cans.....01¾@.02¼
In Bladders.....02¼

Spirits Turpentine—
In regular barrels.....₩ gal. 30½c
In machine barrels.....₩ gal. 31 c

Varnishes—
Glidden's:
Patent Surfacene.....$1.25
Protective Black.....$1.75
Transparent Wood Rim Enamel.....$4.50
"M. P." Special Coach.....$1 40
Egyptian Black.....45
Hard Oil Finish.....$1.25
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$3.75
Best Rubbing, Palest.....$4.00
Piano Polishing.....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$2.50
No. 1 Coach.....$2.25
Lt. Hd. Oil Finish.....$2.25
Dark Hd Oil Finish.....$2.25
Wearing Body.....$3.00
Rubbing Body.....$2 50
Quick Rubbing.....$2.50
Black Rubbing.....$4 50
Rough Stuff.....$2.50
Umber in Oil.....₩ lb .20
Sienna in Oil.....₩ lb .22
Ochre in Oil.....₩ lb .12
Window Blind Green in Oil.. .31
Chrome Yellow in Oil....₩ lb .27
Indian Red in Oil.....₩ lb .31
Dealers' Discounts in large lots.....25

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

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—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—Experienced salesman to represent staple line to the Hardware trade, upon commission in New York, Pennsylvania, West Virginia, etc. Address, "Business," care HARDWARE, 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Ohio, Lake County.

A COST clerk with several years' experience with Hardware manufacturing concern of national reputation, is open to an engagement. Understands book-keeping, correspondence, general office work, etc. Address Accuracy, care HARDWARE, 143 Chambers Street, New York City.

WANTED—By a young man twenty-six years of age, position in wholesale or retail Hardware store; experienced; best of references. Address W. A. F., 215 North Fifth Street, Brooklyn, N. Y.

PRACTICAL brass, iron and metal founder seeks position as foreman, superintendent, or otherwise. Thoroughly up on the economical production of castings and the handling of help. Good all around mechanic. Have superintended several Hardware manufacturing plants. Address N. Y. K., care HARDWARE, No. 143 Chambers Street, New York City.

SITUATION wanted as Hardware salesman; four and one-half years' experience in builders' Hardware, butchers' and grocers' supplies. Best of references. Address S. V. W., care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED entry clerk and bookkeeper wants position with large concern where hard work and strict attention to business will ensure promotion and position. Has had four years' experience as a salesman in general Hardware. Address Hardworker, care HARDWARE, No. 143 Chambers Street, New York City.

POSITION wanted by an American. Age, 34. Bookkeeper, clerk or shipping clerk. Experienced in electrical supplies. Address G. F. M., care HARDWARE, No. 143 Chambers Street, New York.

SITUATION wanted as Die-maker. Experienced in cutting, forming and drawing work, plain or combination. Address D. M., care HARDWARE, 143 Chambers Street, New York City.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

AN active reliable salesman, having a large acquaintance among jobbing and retail Hardware, housefurnishing and department stores in New York, Philadelphia and the South, desires a manufacturers' agency. Specialties preferred. A-1 references. Address, S. B., care HARDWARE, 143 Chambers Street, New York City.

A BUSINESS man and salesman of twenty-five years' experience, capable and reliable, desires a manufacturers' agency—either Hardware specialties, supplies for gas, steam, water and oil, or a line of housefurnishing goods for domestic and export trade. Highest reference given. Address Wallace, care HARDWARE, No. 143 Chambers Streets New York.

Side Lines Offered.

SALESMEN wanted to introduce our new novelty, a single article, light, and a free seller. Good commission paid. Address Moore & Co., No. 64 Reade Srteet, New York City.

WANTED—Traveling salesmen visiting stove and tinware, Hardware, house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co., Lock Box 47, Mercer, Pa.

A TRAVELING salesman who sells Hardware and can handle a side line upon a liberal commission, may find a profitable business by addressing "Side Line," care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesmen, to solicit the retail trade on a staple line of washing machines, of high grade. Liberal commissions to parties with good references. Horton Mfg. Co., Fort Wayne, Ind.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

GOOD OPENING—A chance for a good worker. A young man with a capital of $3000 can obtain one-half interest in a well established Hardware business, in a growing section of Brooklyn. Address V. M. C., Blythebourne, N. Y.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum & Aluminum Bronze Castings.
Haight & Clark, Albany, N. Y.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co., Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co., New York, Hagerstown, Md.
Curtis-Child Mfg. Co., Philadelphia.
Cushman & Denison, New York.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis Minn.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co., New York, Chicago.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Premier Cycle Co., New York.
Wm. Read & Sons, Boston, Mass.
Rouse, Hazard & Co., Peoria, Ill.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolts.
J. H. Steenburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
Haight & Clark, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg Co., Hamilton, O.

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C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

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Surpless, Dunn & Alder, New York

China and Glassware.
P. H. Leonard, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Hanson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

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John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Davenport Cutlery Co., Davenport, Ia.
Alfred Field & Co., New York.
Goodell Co., Antrim, N. H.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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E. W. Bliss Co., Brooklyn, N. Y.

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Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co., Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

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Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

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Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
H. J. Brainerd, New York.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
H. J. Brainerd, New York.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
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Francis Keil & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
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Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Genuga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
Joseph A. Bogardus, New York.
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John H. Graham & Co., N. Y.
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White Mountain Freezer Co., Nashua, N. H.

Iron.
Bruce & Cook, New York.
Howard Iron Works, Buffalo, N.Y.
Todd-Donigan Iron Co., Louisville, Ky.

Iron Castings.
Haight & Clark, Albany, N Y.

Japanning.
Haight & Clark, Albany, N. Y.

Job Lots.
Charles Weiland, New York.

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National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
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Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
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C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

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Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
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H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

Machinery.
Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Machine Knives.
Loring Coes & Co., Worcester, Mass.

Machinists' and Machine Works.
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Bruce & Cook, New York.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

Masons' Lines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Mechanical Rubber Goods.
Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

Metal Patterns, Work, etc.
A. S. Henn & Co., New Haven, Ct.
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Fred. F. Bischoff & Co., Chicago.

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Metal Polish.
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J. H. Cort & Son, Brooklyn, N. Y.
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Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

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Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
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Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

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Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y
Haight & Clark, Albany, N. Y.

Police Equipments.
J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg. Co., Boston, Mass.

Poultry Netting.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Powder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Longerke & Detmold, New York.

Power Presses.
Garvin Machine Co., N. Y
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Power Punches and Shears.
Toledo Machine & Tool Co., Toledo, O.

Presses, Dies, &c.
Miner & Peck Mfg. Co., New Haven, Ct.
Toledo Machine & Tool Co., Toledo O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Pumps.
Deming Co., Salem, Ohio.
W. & B. Douglas, Middletown, Conn.
F. E. Myers & Bro., Ashland, O.

Punching and Shearing Presses.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Raisin Seeders.
Everett Specialty Co., Boston.
Geo. H. Mason & Co., Boston.

Rakes.
Ashtabula Tool Co., Ashtabula, O.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Rat and Mouse Traps.
See Traps.

Refrigerators.
Wisconsin Refrigerator Co., Eau Claire, Wis.

Refrigerator Door Fasteners.
Brabson Bros., Newark, N. J.
P. J. Conroy & Co., Philadelphia.
Francis Keil & Son, New York.

Revolvers.
J. P. Lovell Arms Co., Boston, Mass.

Rivets.
Atlas Tack Corporation, Boston, Mass.
Bruce & Cook, New York.
Clark & Cowles, Plainville, Conn.

Roofing and Roofers' Supplies.
Berger Mfg. Co. Canton, O.
Fred. F. Bischoff & Co., Chicago.
Columbia Roofing Co., Canton, O.
J. H. Eller & Co., Canton O.
Merchant & Co., Philadelphia.

Roofing Tin.
Merchant & Co., Philadelphia.

Rubber Belting.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co. Ltd., New York.

Rubber Mats.
Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Rules.
Keuffel & Esser Co., New York.
Lufkin Rule Co., Saginaw, Mich.
Standard Tool Co., Athol, Mass.
Stanley Rule & Level Co., New Britain Conn, New York.

Sad Irons.
Enterprise Mfg. Co., Philadelphia

Sand Screens.
E. T. Barnum, Detroit, Mich.
W. S. Estey, New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Sand Paper
Baeder, Adamson & Co., New York, Philadelphia, Boston and Chicago.

Sash Balances.
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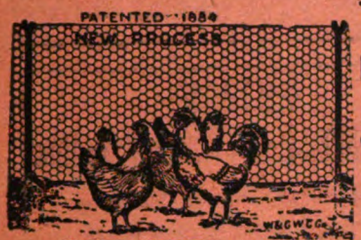
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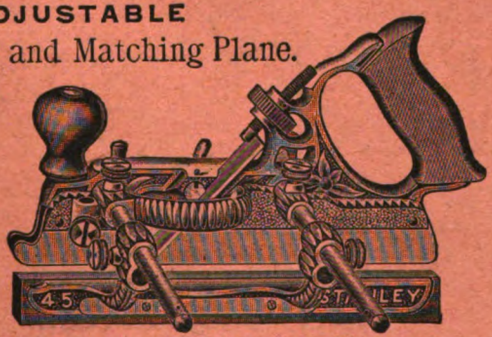
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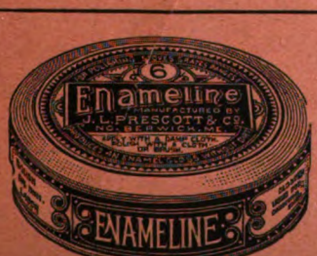
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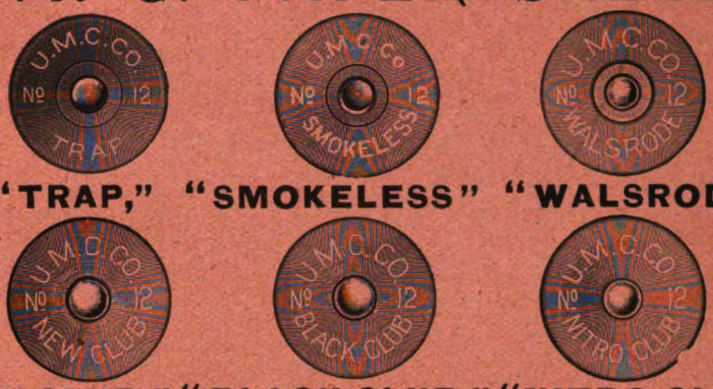




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THE UNION METALLIC CARTRIDGE CO., - BRIDGEPORT, CONN.

Why Not Read Page 12?

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Our Bitstock Drills are made with SOLID SHANKS and cost no more than inferior makes. Sell "STANDARD" only.

ORANGE EXTRA

SPORTING POWDER.

See top page 3.



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These saws are a trifle higher in price, but are being adopted by all Mechanics who use high grade tools.



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LANE'S
PATENT STEEL BARN
DOOR HANGER.



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MOST COMPLETE IN CONSTRUCTION.
MATERIAL THE BEST.
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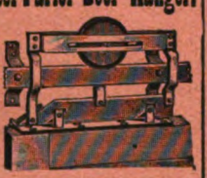
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Hanger is made of steel throughout, including wheel except solid interior leather tread, causing to roll noiselessly.

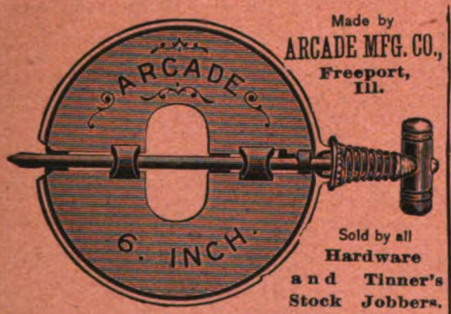
Single Steel Track Instead of Double Wood Rail.

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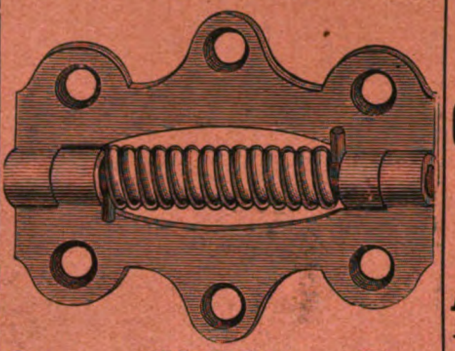
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		Length of Flanges	Single Acting.	Double Acting.
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6x2	¾ to 1⅛	3½in	63	83
7x2	1 to 1⅜	4 in	64	84
7x2¼	1 to 1½	5 in	65	85
7x2½	1 to 1¾	6 in	66	86
8x2½	1¼ to 1⅞	7 in	67	87
8x3	1½ to 2¼	8 in	68	88
9x3	1¾ to 2½	10 in	69	89

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Made of Best Steel. Hammer Refined. Accurate in size. Can be sharpened upon a grindstone. Does not Split the Wood. Will cut off nails. Will Enlarge a Hole without Plugging.

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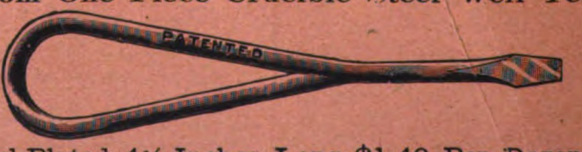
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ORANGE RIFLE EXTRA, ORANGE SPECIAL, ORANGE DUCKING, ORANGE LIGHTNING.

The attention of TRAP AND FIELD SHOOTERS, RIFLEMEN AND DEALERS IN GUNPOWDER, is called to the new ORANGE SPORTING POWDER, patented April 17th, 1888, and branded **ORANGE RIFLE EXTRA.**

This Powder is quick and strong, and burns with such perfect combustion that the only residum left in the barrel after shooting is a dark oily substance easily removed While this Powder is not exactly SMOKELESS, it gives only a light bluish smoke, which is almost instantly dissipated, and interferes but little with the shooting of the second barrel, taking the place of the so called smokeless powders in this respect.

This brand of powder sells at the same price as any other brand of Rifle Powder and is superior to any made. No person who shoots can afford not to give it a trial, as after once trying it he will never use any other Powder when he can obtain the ORANGE EXTRA. Weight and quality guaranteed.

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Du Pont's Crystal Grain.
Unequaled in strength and cleanliness.

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Unsurpassed for penetration and pattern, burning slowly, strong and very clean.

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Specially adapted for Prairie and Upland Shooting; burns slowly, strong and moist; gives good penetration with a close pattern.

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Their First Shipment of

HARD GRAIN SMOKELESS SCHULTZE GUN POWDER

Which has been specially regulated in strength and moisture for the American climate

In the manufacture of their **Hard Grain** powder they have embodied all the advantages that their long experience together with the latest modern improvements in powder making has shown to be the very best.

HARD GRAIN SMOKELESS SCHULTZE POWDER retains all the good qualities which have made Smokeless Schultze Powder famous all over the world, while its **hard flinty grain** and specially regulated moisture makes loading so easy that any amateur can now do so successfully

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Hard Grain Smokeless Schultze is the most modern, the best of all smokeless powders, and excels any other Nitro powder in velocity, penetration, cleanliness, regularity and closeness of pattern.

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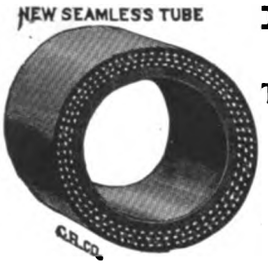
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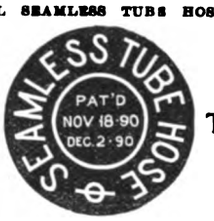
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OLD LAPPED TUBE



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DOUBLE BLUE LINE COTTON.

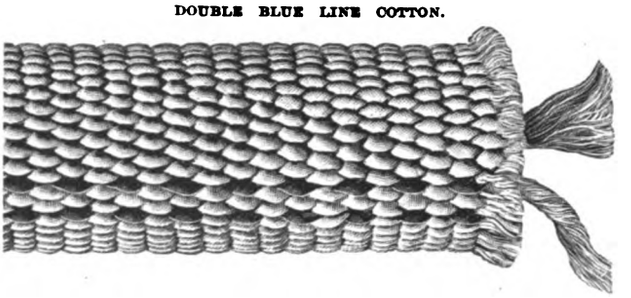
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Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

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The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

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Save fuel, machinery, time and annoyance by using Babbitt or Anti-Friction Metal that is adapted to the particular Journal in which it is to be used. Friction means loss of power.

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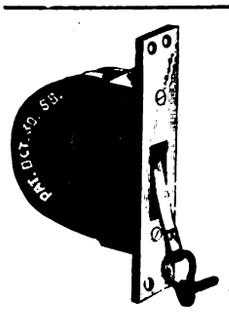
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Mirror Plates,
Refrigerator Catches,
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Fancy Cabinet Hinges,
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S Hooks
Stair Buttons,
Door Numbers,
Brackets, Mending Strap

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We solicit their orders.

CALDWELL MFG. CO.,

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GET THE BEST!

THE STAR COIL SPRING SHAFT SUPPORT AND ANTI-RATTLER.

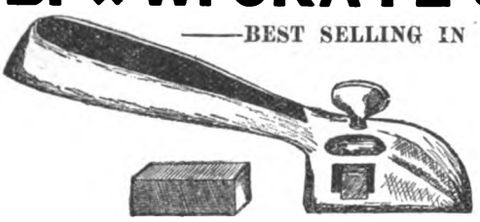
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Fast selling; always gives satisfaction. No weight on horse. Worth twice the cost for convenience in hitching up. Agents wanted. Send stamp for circular. Price, $1.50. State rights for sale.

THE DECATUR SHAFT SUPPORT CO.
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B. & W. SKATE SHARPENER.

—BEST SELLING IN THE MARKET.—



Handy to carry, does the best work, is made of malleable iron, full nickeled; the handsomest article of the kind on the market.

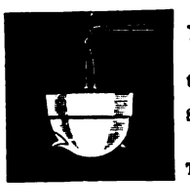
By its use the dullest pair of skates can be sharpened in five minutes, by any child old enough to skate.

In use, the side of the Sharpener forms a right angle with the file, making it practically impossible to file anything but a true plane on the skate, or to round the edges. As the file wears, it can be moved its full length on four sides, thus giving a great amount of filing surface. Put up one dozen in a box. Write for price.

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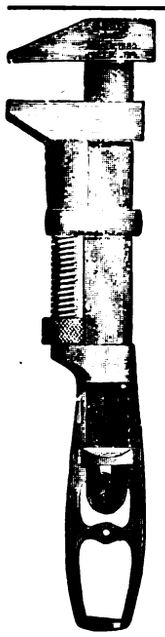
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Affords absolute protection to the cloth.

Made in both Nickel and Silver Plate.

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Genuine Improved

KNIFE HANDLE

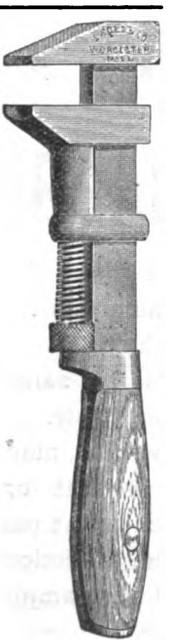
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Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

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Established in 1839.
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Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

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I am now making four sizes and prices of Faucet Filters instead of three that retail at : : :

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J. H. SEED, Manufacturer,

21 & 23 Centre Street, New York.

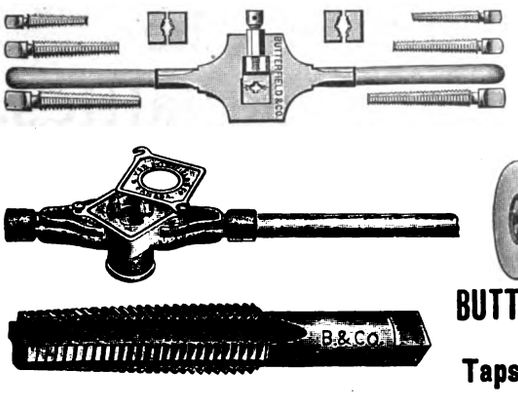
SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

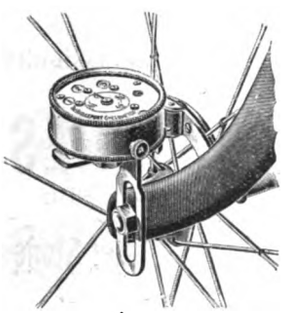
"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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BUTTERFIELD & CO., Derby Line, Vt.
Manufacturers of all kinds of
Taps and Dies and Kindred Tools.



"HERE THEY ARE" BRIDGEPORT CYCLOMETERS.
Three Styles for 1895, Models "A," "B" and "C," at Reduced Prices.
Guaranteed to be Accurate, Noiseless and Waterproof.

MODEL "A" Registers 1000 miles accurately and repeats, or can be set back to zero at will. Nickel finish with celluloid dial. The figures on dial have been enlarged so that same can be read from saddle with ease. The bracket and dog have also been improved. Made for 28 and 30 inch wheels; weight, 6 ounces.

MODEL "B" has a bell attachment which rings at every mile; otherwise the same as MODEL "A." Indispensable to riders who desire to see how fast they can ride per mile. For 28 and 30 inch wheels; weight, 7 ounces.

MODEL "C" registers 10,000 miles accurately and repeats. Recommended especially to wheelmen who take long trips or enter for club mileage records; also to those who do not care to set the cyclometer back to zero. Cannot be set back to zero but repeats at the end of 10,000 miles. For 28 and 30 in. wheels; weight, 6¼ ozs.

Discounts to the trade on application. Sold by all dealers. "Keep on the lookout for our new LAMP BRACKET and new BELL."

The Bridgeport Gun Implement Co., 313½ B'way, New York.

SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,

Cleveland, Ohio.

THEO. M. HASS,

MANUFACTURER OF

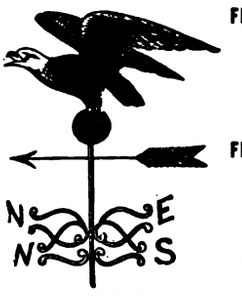
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. **Dies and Tools.**

176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**



WEATHER VANES.



WEATHER VANE.

FENCING, STABLE FIXTURES, WINDOW GUARDS, GRILLES, FIRE ESCAPES, OFFICE RAILINGS, SIGNS, STAIRS, JAIL CELLS.

CATALOGUE FREE.

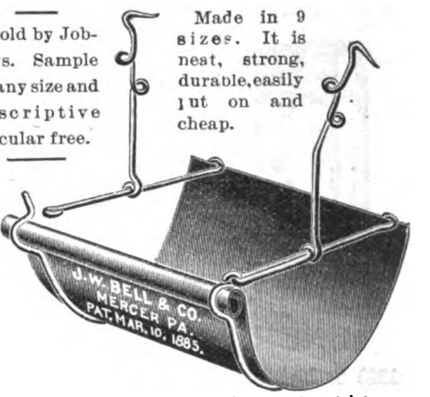
WIRE AND IRON WORK.

E. T. BARNUM, DETROIT, MICH.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



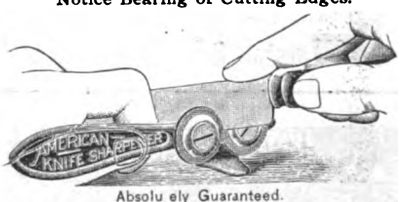
Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

The AMERICAN KNIFE SHARPENER.

PATENTED FEB. 23, '92.
Notice Bearing of Cutting Edges.



Absolutely Guaranteed.

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.

MOSSBERG WRENCH CO.,
Manufacturers of Novelties, **Attleboro, Mass.**

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

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WE ARE SOLE MANUFACTURERS OF THE CELEBRATED BRANDS

Western Red End,
Quinnebog,
Blue Bank,
Diamond,
Berea,
Star.

Send for Catalogue C. 2, illustrating many other well-known brands of SCYTHE STONES also MOUNTED GRINDSTONES, &c.

THE CLEVELAND STONE CO.,
Hickox Building. Cleveland, O.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

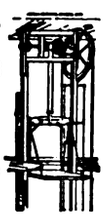
Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

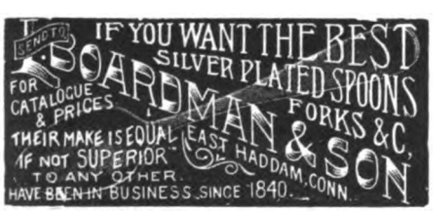
Improved Quick and Easy Rising Steam, Electric and Hand Power

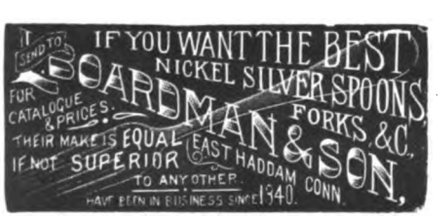
ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs. Ia.







Large Profits in the Lawrence Paint Specialties.

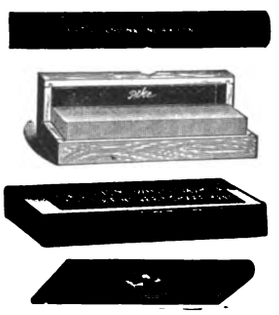
Hardwaremen who do not now handle Paints are asked to write us for information how to make this department one of the most profitable.

W. W. LAWRENCE & CO., Pittsburgh.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

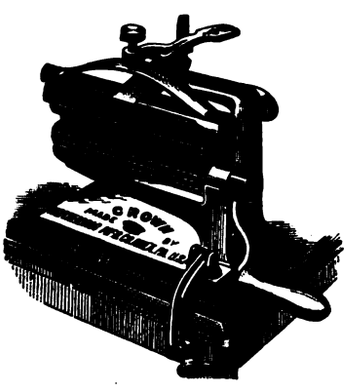
Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.
GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.
WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

SEASONABLE SPECIALTIES.



FLUTING MACHINES.
"CROWN," "ORIGINAL KNOX," "AMERICAN."



NEW KEYSTONE BEATER.



U. S. DIAL SCALES.

A Household Scale without loose weights, and arranged to balance pan or dish in weighing. Useful in household for weighing Sugar and fruits in preserving or canning, comparing weights of goods purchased, etc.

CATALOGUES AND PRICES SENT ON APPLICATION.

NORTH BROS. M'F'G CO.,
Second and Lehigh Ave., PHILADELPHIA, PA.
JOHN H. GRAHAM & CO., Mfrs. Agents, 113 Chambers St., New York.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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O. W. Clapp. Dwight O. Clapp.

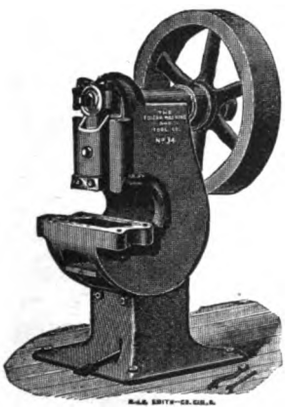
CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



The Toledo Machine & Tool Co.,
501-505 Superior St., Toledo, Ohio.
—WE MANUFACTURE—
Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.
Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



COATES CLIPPER MFG. CO.,
Worcester, Mass., U. S. A.
MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.
-:-SEND FOR CATALOGUE.-:-



You have no risk on the quality.
We make only the best.



Sand Papers in Reams and Rolls
Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

H.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co
700 MARKET STREET, PHILADELPHIA
87 BEEKMAN STREET, NEW YORK
140 MILK STREET, BOSTON
102 LAKE STREET, CHICAGO.

UNDERHILL, CLINCH & CO.,
94 CHAMBERS STREET, NEW YORK.

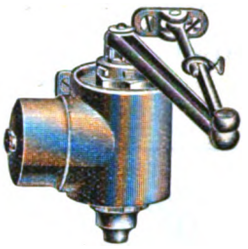
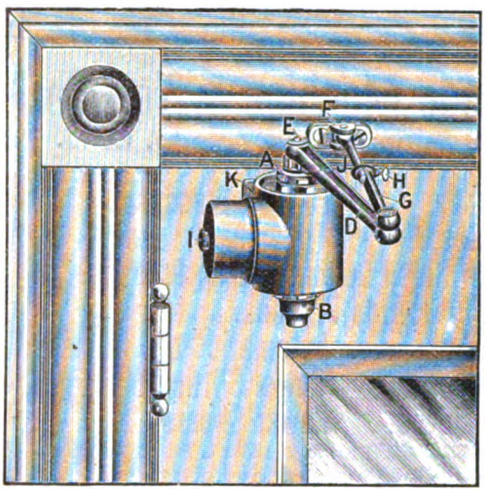
Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

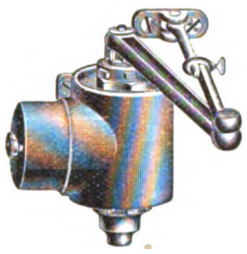
GENERAL HARDWARE.

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CORBINS'

LIQUID DOOR SPRING AND CHECK.




P. & F. CORBIN,

MANUFACTURERS,

FACTORIES & GENERAL OFFICES —AT— NEW BRITAIN, CONN.

WAREHOUSES:

NEW YORK: Nos. 24 & 26 Murray St.
CHICAGO: No. 63 Washington St.
PHILADELPHIA: No. 925 Market St.

OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no directions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

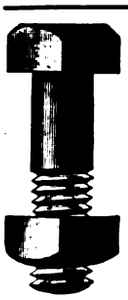
The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizes:

4 in....per crate. 5 in....per crate. 6 in....per crate. 7 in....per crate.
4½ in.... " 5½ in.... " 6½ in ... "

Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.



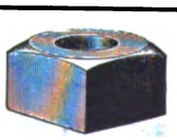
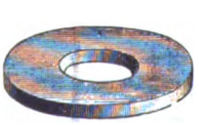
WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

ESTABLISHED 1828.

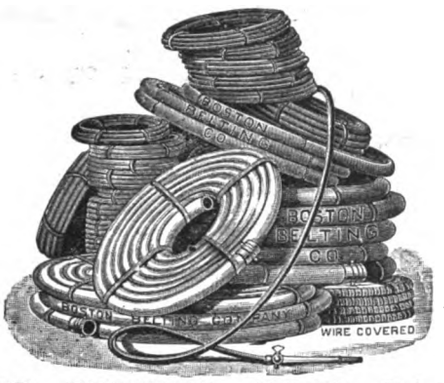
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



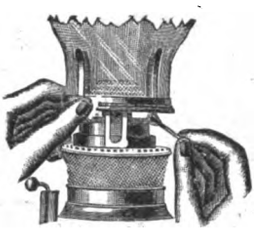
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | **NEW YORK:** 100 Chambers Street.

—Salesrooms:—

14 North 4th St...Philadelphia, Pa.
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa
8-10 E. Michigan St Duluth, Minn.
248-253 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind
287 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis.

The



B & H LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

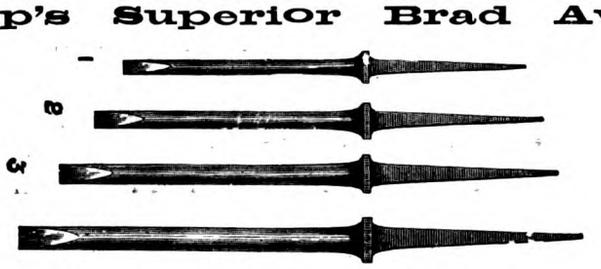
THE

AMERICAN WICK

Made by the WICK DEPARTMENT Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

P. . STUB'S FILES. TOOLS. STEEL. Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST. NEW YORK. 109 109

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES. TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS.
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

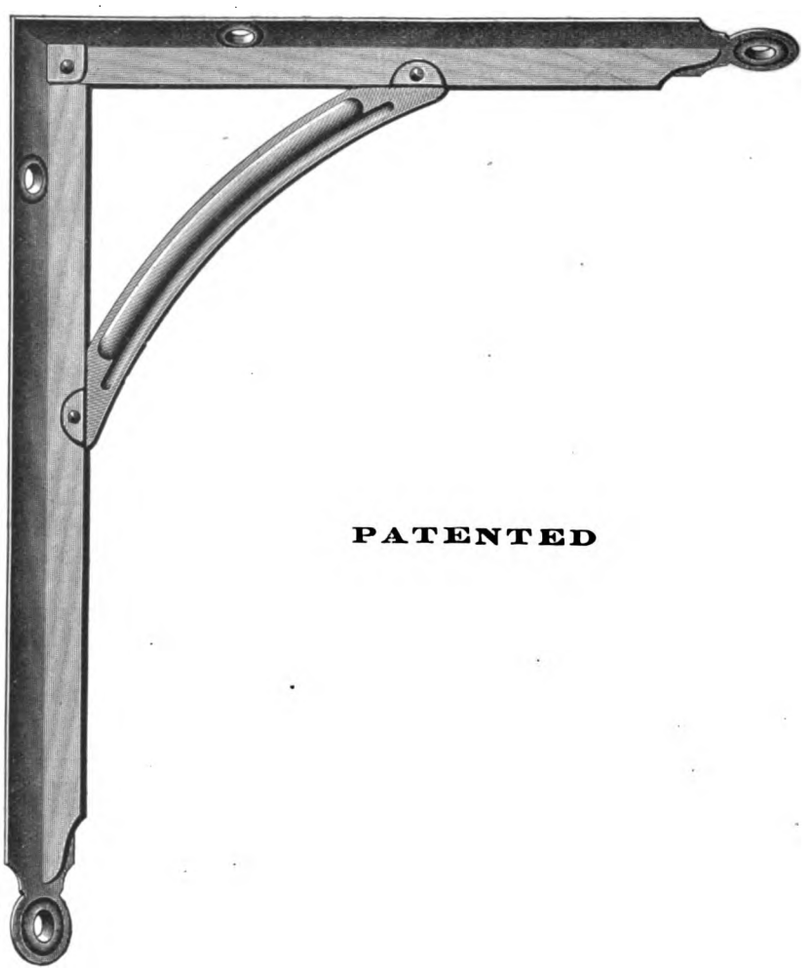
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A Perfect Shelf Bracket

—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



PATENTED

As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

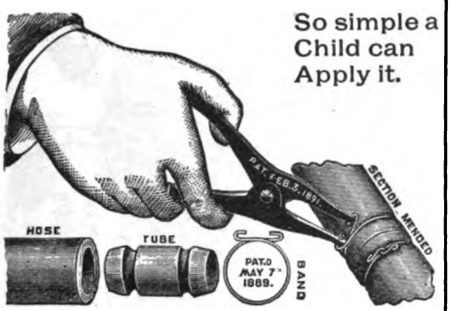
The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

THE STANLEY WORKS, New Britain, Conn.
79 Chambers St., New York.

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Hudson's . . . .
Garden Hose . .
Mender . . . .

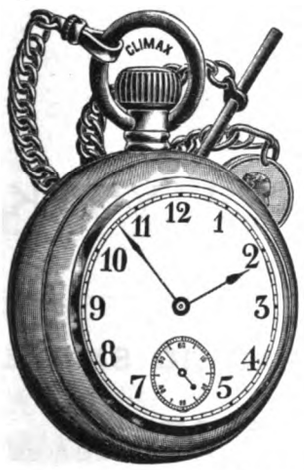


Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in hese goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¼ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

TIME
WILL
TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

AT THE TOP



AND GOING TO STAY THERE

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McParlin

THE
NATIONAL SAW CO.

GENERAL OFFICE.... NEWARK, N. J.

Manufacturers of **SAWS** Of Every.. Description

Get the Best
Keep Posted

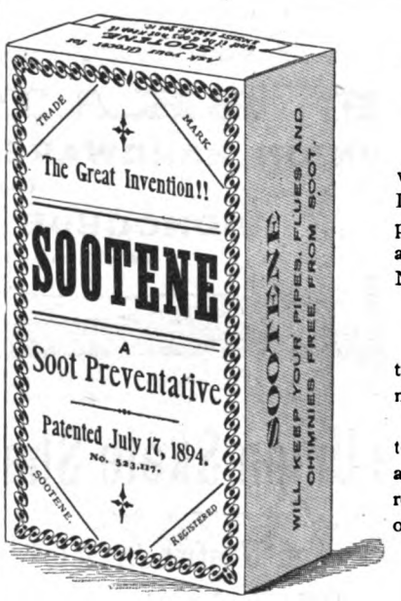
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SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Trimming and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.



SOOTENE SERMON No. 2.

THE CHURCH CHICKEN.

We have all heard the story of the commotion that was caused by a chicken which wandered into church. In the scramble to put her out she flew up on the stove-pipe knocking it down and thereby depositing quarts and quarts of soot upon the maddened congregation. Now if the church spoken of had known of the merits of

SOOTENE

there would have been no soot to fill the pipe, and hence no ruined clothes.

It prevents clinkers. It reduces the amount of soot to the minimum. It saves fuel. It helps combustion and so saves coal. The sales are increasing, and the retailer who does not keep the article is neglecting his own best interests. It pays a good profit.

ROYALL GIVENS,
Corpus Christi, Tex.



"RIVAL"
Steel Measuring Tapes.

Something New! A low priced Steel Tape. First-class and fully guaranteed. Nickel-Plated Case. Flush Handle. ⅜ in. Tape. Marked one side only. Made 25, 50, 75, 100 feet lengths.

SEND FOR PRICES.

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NEW YORK OFFICE, 21½ MURRAY ST.

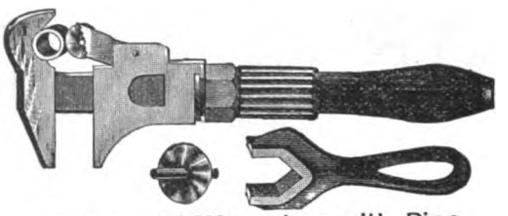
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Champion Screw Drivers (Machinists').



Donohue's Pat. Engineers' Wrenches, Short or Long Sleeve Nuts.



Engineers' Wrenches with Pipe Cutters.

Stephen's Pat. Vises, Quick Adjusting Cam and Toggle-Joint.



This cut is designed to show the natural method for working this vise and the EASE and FACILITY with which it is OPENED and CLOSED.

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EXCELSIOR EXPANSIVE BITS.
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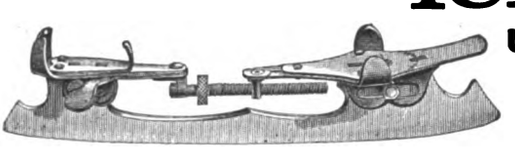
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PADLOCKS, ETC.

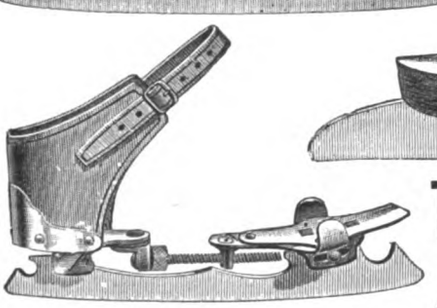
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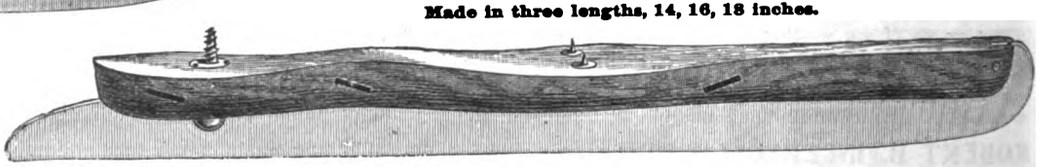
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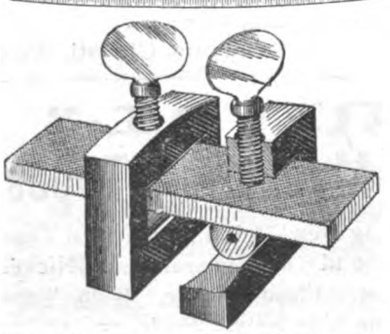
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CALLED THE
DONOCHUE RACING SKATE.
Made in three lengths, 14, 16, 18 inches.





The Union Skate Sharpener

A New and Useful Article
Which Speaks for Itself.



This device is simple, being composed of but three parts—two side pieces and a short file. It is easily adjusted at once. A child can operate it perfectly and do as good work as a machine snop.

It will adjust itself to any make or style of skate.

It always works and may be carried in the pocket.



This cut shows the natural method of using.

Sells on Sight. **Send for Price.**

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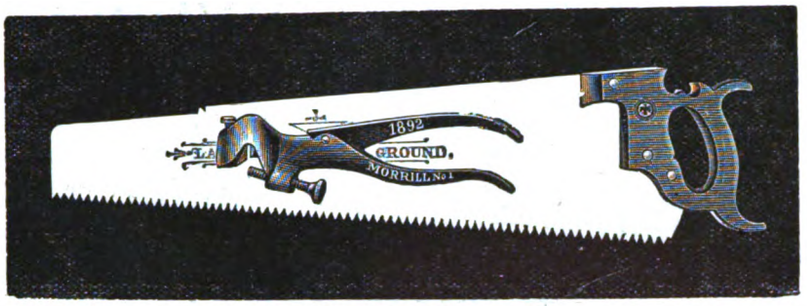
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NEW YORK OFFICE in charge of TOWER & LYON. TORRINGTON. CONN.

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Universal
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AND WAGON



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Punches.
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JACKS.

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The original **TUTTLE TOOTH,** the best Saw in the world for the money. Made from fine selected steel, tempered by NATURAL GAS, by our patented process. Every Saw filed and set ready for use.



—:— A FULL LINE OF —:—

Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.

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A *PERFECT*

WAGON JACK.

NEW,
LIGHT,
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Send for Prices, Discount, Etc.



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GIBBS MFG. CO., Canton, Ohio.

Pipe Wrenches.

The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



TRADE MARK.

THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1⅝	1½—2½	2¼—3½
Length	5¾	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

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DRESDEN:
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LEONARD VIENNA AUSTRIA

1790
1890
VIENNA CHINA

LIMOGES:
46 Route de Paris.

LEONARD VIENNA AUSTRIA

P. H. LEONARD,

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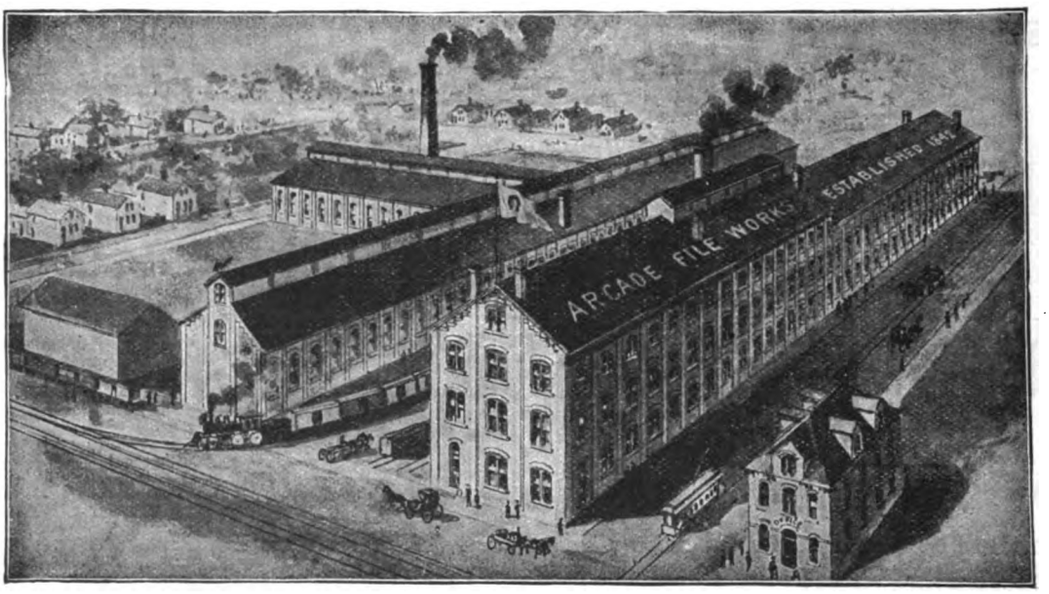
VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
76 & 78 READE ST., NEW YORK

Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



Western Office and Warehouse, 23 LAKE STREET, - CHICAGO, ILL.

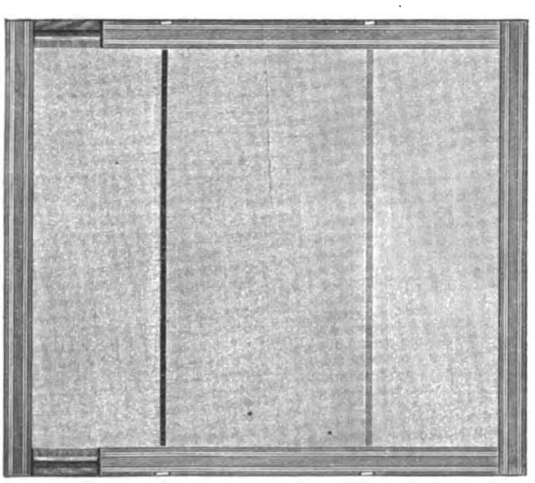
Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.

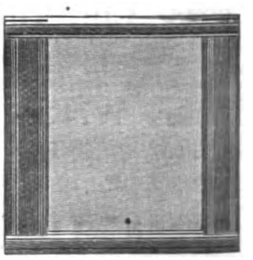
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THE FLYER.

Are Reliable!

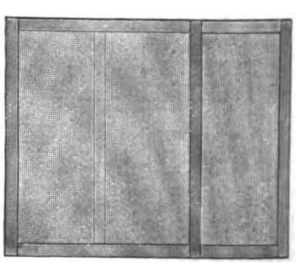
CLEAN CUT, HANDSOME SALABLE PATTERNS IN DOORS AND WINDOW SCREENS.



BONANZA.

Nice wholesome goods, well made from good materials.

Retailers of Phillips' Screens will be furnished with large cloth signs reading: "HEADQUARTERS FOR FLY SCREENS! Wire Stock, Spring Hinges, and Screw Hardware, etc."

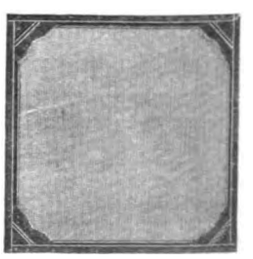


EXTENSION.

If your jobber tells you something else is just as good as "THE PHILLIPS," ask him why he bought the "substitute." If he tells you the truth, he will say (in most cases): "Why, our folks could buy the other screen (which is just as good) for half a cent apiece cheaper." This brings out two more questions:

"Why did the other fellow offer his screen half a cent less than Phillips?" and "Does half a cent cut any figure unless you are *certain* the other goods are equally salable?"

The jobbers who handle Phillips' goods are those who make a specialty of handling first-class goods in other lines.



SCREEN FRAMES.

Write for picture and description of "New Northwest Window Screen Frames."

The A. J. PHILLIPS CO., FENTON, MICH.

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The Largest and Most Complete File Works In The World.

X. F. Files
For Jewelers,
Watchmakers,
Silversmiths,
Fine Tool Makers,
etc.

NICHOLSON FILE COMPANY

PROVIDENCE, R. I.

Bastard, 2nd Cut,
Smooth and Dead,
Smooth Files,
In all shapes,
For General Work,
etc.

3000 Varieties,
Increment Cut
Files and Rasps.



NEW HAMMERLESS DOUBLE GUN.

This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER,

MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

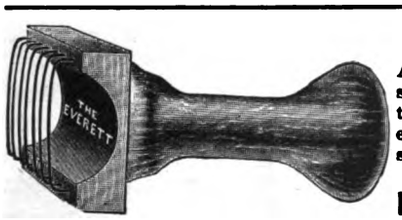
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THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM,
97 Chambers Street, PARKER BROS., MAKERS, Meriden, Conn.



EVERETT RAISIN SEEDER

A device which every live Hardwareman should have in stock. Perfectly simple in construction and guaranteed to do the work so completely as to commend itself to every Housekeeper. Retail price 15 cents. Write for special price to the trade.

—MANUFACTURED BY—

Everett Specialty Co., Boston, Mass.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

Truss Bottomed FLAX FIBER Pails

Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free**, express charges **unpaid**, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

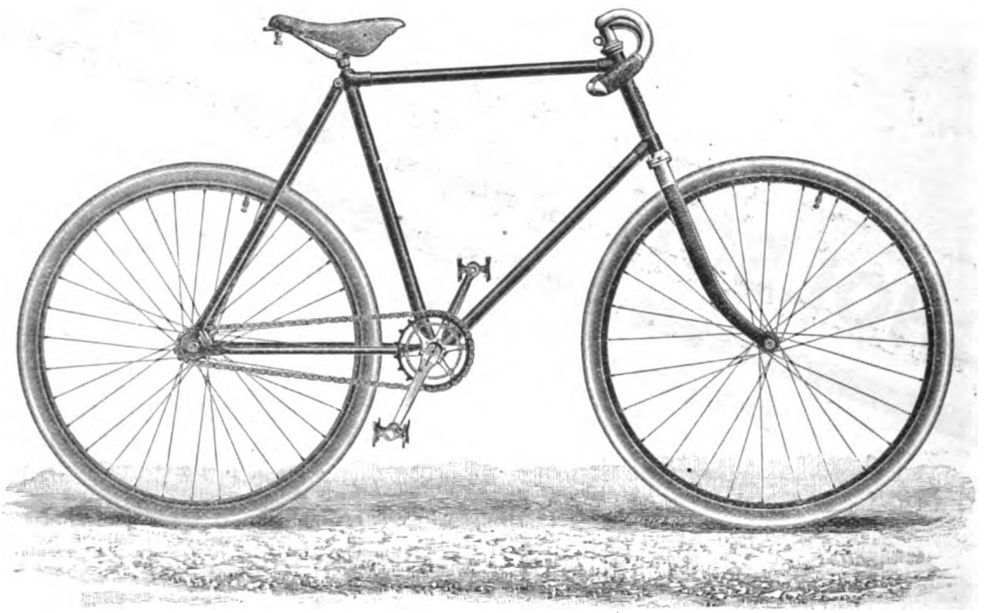
HARDWARE.

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REMINGTONS FOR '95

have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



PRICES:
LADIES'
$100,
$75.
26 in. Girls'
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

REMINGTON ARMS CO., 313-315 Broadway, New York.

ESTABLISHED 1827 — E. S. 1827 & Co. — INCORPORATED 1889

EDWARD SMITH & CO.,

Varnish Makers

—AND—

Color Grinders,

TIMES' BUILDING. NEW YORK

WATERBURY BRASS CO.,

296 Broadway, New York.

Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.

—:—PERCUSSION CAPS OF ALL KINDS.—:—

HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

TAPE MEASURES.

EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

We offer no old style stock.

We warrant our goods against Reasonable Damage.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

EVERY PAIR OF OUR ICE SKATES IS

Put up in a Pasteboard Box.

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HARDWARE

VOL. X. FEBRUARY 10, 1895. NO. 9.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.

Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
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BRANCH OFFICES:
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BOSTON, - - - - - - - No. 108 MILK STREET.
CINCINNATI, - - - - - No. 904 NEAVE BUILDING.
LONDON, - - - Nos. 9 & 11 FENCHURCH AVENUE, E. C.
MELBOURNE, - - - - - - McLEAN BROS. & RIGG.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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The Annual Hardware Dinner speaks for itself, in another portion of this issue. It was a success in every sense of the word, as have been those preceding it, since the memorable first dinner of 1892. The readers of HARDWARE, we are certain, will appreciate the full report of all the speeches, which we have felt it a pleasure as well as a duty, to lay before them.

There have been recently large sales of structural iron in Boston, giving a good tone to that market. It is said that there are some large structures in Boston about to be built, but names and details are, for obvious reasons, unattainable.

The manufacturers of glass seem inclined to start up their works, that at Sandwich, Mass., going into operation last month with much rejoicing by the long idle employee. German glass is selling at a price ten cents above the domestic make. This is said to be an anomaly, and the home manufacturer believes that the prices of his product ought to be more.

Some of the boat builders in New England have discarded the use of aluminum in the building of shells. At first the extreme lightness of this metal made it a favorite, but it has been found that it will corrode and the shell will then be full of pin holes. On the other hand, musical instrument makers are using aluminum in the manufacture of drums. Made of this material, they are not only of light weight, but give out a better tone than the ordinary article.

By some recent experiments it has been demonstrated that upon a level, hardwood floor, it takes three-fourths of the force to propel a steel rim bicycle of that with the pneumatic tire. This advantage, however, is not of a practical character, for if an obstruction be placed before the wheels, the pneumatic will pass over it with one-half of the power, and naturally up-hill riding is largely a factor with the inflated tire. The proportion of power naturally varies with the character of the obstructions, the ratio increasing with steep grades.

A Lesson Taught by the Bicycle Show.

There is one encouraging lesson taught by the grand display made last month by a single industry, at the Madison Square Garden, lasting, as it did, for eight days—a display so unequalled and so unexpected in its superb completeness that it filled the immense auditorium with interested and frequently excited spectators, during the entire time of its continuance, attracting daily from 5000 to 10,000 visitors. The lesson we are taught is, that we need never despair of the mechanical possibilities of the skilled artisans of this country, when backed by the "talking" dollars of the sanguine capitalists who are ever ready to endorse and sustain any meritorious enterprise of an industrial character. Here is a complete business, with its many important accessories as well, and applying only to one branch of trade in which sport and recreation was the original foundation—a business which five years ago the millions of dollars invested could be counted upon the fingers of one hand and then leave a surplus, but which to-day can show an expanded and enlightened development exhibiting an investment of over seventy millions of dollars!

Five years ago the skilled workmen capable of completely constructing the finished and perfect product of to-day, consisted of a few hundreds of not over-confident artisans, whose inventive faculties were only beginning to become awakened under the stimulus given by the generous public to this exhilarating medium of healthful sport. Nearly all of the mechanics who were the instructors in our cycle factories were recent importations from the more conventional factories of Europe, where a safety wheel weighing seventy pounds was an article considered worthy of admiration and profound regard. To-day, the ingenuity and inventive ability of our own native talent, which made possible the present perfect pneumatic tire, with its grand improvements, combined with light and graceful wood rims; with ball bearings on every frictional device, and mechanically bored drop forged connections without a possible flaw, has so resulted that a twenty-pound wheel which can be balanced upon the little finger of one hand is yet constructed so perfectly and admirably secure in all its parts, as to be capable of supporting a rider weighing two hundred pounds and over.

All this has so upraised our never satisfied inventive skill, so improved and extended the gracefulness of the

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product, so enhanced the ardor which as Americans we invariably show in any development of our native genius, that to-day we undoubtedly lead the world in the intelligent manufacture of bicycles and likewise of everything pertaining to its profitable progression, and are asking no hostages from fortune in any particular. Those who have had the good fortune to visit the National Cycle Show above referred to during the week of its existence, and by the fruits of our industry have come to know how possible to the American mechanic all things seem evident, have witnessed the vigor of our brain power in the countless new devices, which increase the comfort and extend the life of this most perfect rival of the horse, and must have been impressed by the unbounded confidence in the promises of the future shown by our capitalists, who have been made to feel the importance of the profitable prosecution of this novel and enthusiastic industry of such recent development. Furthermore, they could not help but notice the courage and enthusiasm of everyone engaged in the distribution of the beautiful and artistic creations of our national skill and handicraft, and must surely feel a deep sense of gratification in the knowledge that although

"'Tis not in mortal to command success,"

by deserving it, we'll take our chances of reaping a harvest of dividends honestly earned by successful skill and an attendance of that commercial quality graphically denominated as "sand."

New England and the South.

The movement looking to the migration of certain industries in New England to Georgia and other Southern States, is looked upon with grave concern in the former and with evident satisfaction in the latter section. The reason assigned for this by the corporations who contemplate the transition, is that the raw material, coal, etc., are much cheaper South than with them, and that in these times when margins are cut so close, it is a matter of economical necessity to take the step contemplated.

It is, however, admitted that, for the present, it is only the inferior class of manufactured goods which can be made in the South. The class of labor that is found in the South is addicted to out-door life, and work is generally of the crudest sort. Occasionally a strain of white blood is found in the quadroon or octoroon and which enters largely into the make-up of an excellent mechanic, but such cases are very rare, and their citation as an illustration of the quality of the labor of the South, is mischievous in the extreme. The white is, by habit and heredity, little adapted to the confinement of the workshop, consequently is a factor upon which little can be depended.

The consequence is that for all high graded goods, labor must follow the transition. Our product in metal goods bears a high reputation at home and abroad, and to degrade that quality is simply to lose our markets.

Skilled labor moves, however, with reluctance. The good mechanic has generally been well seasoned by the hard knocks of the world, and is generally middle-aged. He has his home, his family, neighbors, good schools for his children, and, in fact, he is bound by bands of steel to well formed associations which almost forbid migration to any other section of the country. Hence the communities in New England need have little to fear with regard to the loss of skilled labor in their industries.

On the other hand, there is an expectation with a substantial foundation that as soon as the present muddled state of affairs passes away, we will become the workshop of the world. Our export business is in the hands of a few who seem to have two articles of faith :Language is used to conceal thoughts, and "silence is golden." Certainly they are not telling how the export of our manufactures is growing; but there are millionaires among them, and all have the appearance of being well fed and well groomed.

Association of Inventors and Manufacturers.

The regular meeting of the American Association of Inventors and Manufacturers was held in Washington City a few days ago. A large number of prominent inventors and others interested in the object of the Association were present, and much important business was transacted. Doctor Gatling, who has been the president of the Association ever since its organization, delivered an able address, and papers on pertinent topics were read and discussed. Among the papers read and discussed were the following; "Contributory Infringement," by Herbert Howson, New York City; "Forfeiture and Renewal of Applications for Patents," by Thomas Ewing, Jr., New York City; "Trade Marks," by Francis Forbes, New York City; "The History and Development of Inventions in Wool Manufactures," by S. N. D. North, Boston, Mass.

A delegation of members of the patent committee of the American Bar Association were present by invitation, and took part in the discussion of the various legal questions which came before the meeting. In all matters pertaining to patent legislation the two associations are working in harmony. In the election of officers for the ensuing year, the following were chosen: President, Dr. R. J. Gatling, Hartford, Conn.; first vice-president, Gardiner G. Hubbard, Washington, D. C.; second vice-president, J. C. Anderson, Chicago, Ill.; third vice-president, B. H. Warner, Washington, D. C.; fourth vice-president, Lemuel W. Serrell, New York, N. Y,; secretary and treasurer, Geo. C. Maynard, Washington, D. C. Members of Executive Council: Albert A. Pope, Boston, Mass.; R. S. Munger, Birmingham, Ala.; F. A. Pratt, Hartford, Conn.; E. A. Seely, Washington, D. C.: Arthur Steuart, Baltimore, Md.; Marvin C. Stone, Washington, D. C.; C. E. Billings, Hartford, Conn.; A. S. Bushnell, Springfield, Ohio; Robert S. Taylor, Fort Wayne, Ind.

The Joseph Dixon Crucible Co., Jersey City, N. J., claim to be "the people" who make a Bicycle Chain Lubricant "that is absolutely without an equal." There is no reason why they should not be "the people," for they have been in the graphite business over three score years, and have an experience in preparing lubricants second to none. Furthermore, the Dixon Co. have facilities which guarantee the purest and best graphite that can be offered, and it is the graphite which accomplishes the purpose. Dealers in wheels should write for sample and prices.

All sorts of bicycles are being rapidly and silently brought out. In one form there is an advantage applicable to certain localities. The steering wheel can be placed parallel to the rear wheel. This allows the bicycle to be shouldered in military operations, the crossing of rivers. etc. It is said to be the device of an English maker.

Charles H. Ayres, formerly manager of E. B. Ayres' estate, has opened a new Hardware store at No. 3316 North Fifth Street, Philadelphia.

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The Late W. A. Gregg.

Mention has already been made of the death of William A. Gregg, secretary of the Beck & Gregg Hardware Co., Atlanta, Ga. In his departure from the scene of active life, the South loses one of its most active and earnest Hardware merchants. He was born in South Carolina, July 4, 1848. During his boyhood his father moved to Jasper, Ala. There he obtained his early schooling and received the greater part of his education. He next located in Memphis, Tenn., and from that place entered the Confederate army. Shortly after the war he went to Atlanta, and there, after searching about for work, secured employment with F. M. Richardson in the stove business. For quite a while he clerked in the store immediately adjoining the one in which L. H. Beck was a clerk. In this way the two boys became acquainted, and a mutual respect for each other's character soon developed into a firm friendship. In 1869 Mr. Gregg took the position of bookkeeper in the firm of Tommey & Stewart, formerly occupied by Mr. Beck. Nine years later he and Mr. Gregg purchased the interest of Mr. Stewart, and the style of the firm was changed to that of



W. A. GREGG.

Tommey, Beck & Gregg. In 1880 the firm changed again to Beck, Gregg & Co., and in 1883 it was incorporated as the Beck & Gregg Hardware Co. Mr. Gregg was made the secretary, and continued to hold that office until the time of his death. In 1877 Mr. Gregg was united in marriage to Miss Lizzie Jones, the eldest daughter of Oliver H. Jones. Seven children sprung from this union, the eldest, William Oliver, dying at a very early age. Six children survive—three boys and three girls. These, together with his sorrowing wife, and one brother, Joseph R. Gregg, the mayor of Ocala, Fla., are left to mourn the severe loss occasioned by his sad death. Mr. Gregg was a director in the Atlanta machine works and also in the Southern Banking Co. He was a member of the Board of Stewards of Trinity Methodist Church and a trustee of the orphan asylum of Decatur. His life was not so occupied with the cares of his business that he did not devote a large part of his time to religion and charity. He was a man of retired and gentle disposition, exceedingly popular with those who made his acquaintance and stood high in the business world for his general fairness and high integrity for character. He was highly esteemed by his business competitors and greatly beloved by the employees of his company. He took an active part in the Southern Hardware Jobbers Association and was one of their chief officials. Some idea of the high estimate in which he was held by his neighbors and business associates may be learned from the following resolutions, adopted at a memorial meeting held by the Hardwaremen of Atlanta:

Whereas, In the allwise dispensation of providence it has pleased our kind Heavenly Father to remove from our midst and call to higher duties and joys our friend and fellow dealer; and,

Whereas, Mr. W. A. Gregg was, in every sense of the word, one of nature's noblemen—a shining example of purity, strength and integrity of character, a man of good judgment and full of energy. Be it

Resolved, That we have lost an upright, just competitor, a warm personal friend, a model citizen and a noble countryman.

Resolved further, That we tender to the Beck & Gregg Hardware Co. our hearty sympathy and to his family our deepest sympathy, and trust that they may have strength to realize that they are in the hands of One who doth not willingly afflict and of the Lord God who is a sun and shield, the Lord who will give grace and glory and who will withhold no good thing from him that walketh uprightly.

Kirkpatrick Hardware Co., by J. C. Kirkpatrick, president.

King Hardware Co. Per W. E. Newell, secretary and treasurer.

Fitten, Thompson Hardware Co. Per A. P. Thompson, secretary and treasurer.

J. M. Alexander & Co.

Hightower & Kirkpatrick.

The Clarke Hardware Co. Per Thomas M. Clarke, president.

Lowry Hardware Co. Per G. P. Lowry, president.

The Beck & Gregg Hardware Co. request us upon their behalf, "to return their many thanks to the friends who have sent them letters and telegrams of sympathy. They have received such a mass of such letters and telegrams they have not found it practicable to answer each one."

Death of John Adt.

John Adt, senior member of the firm of John Adt & Son, manufacturers of Hardware and machinery, New Haven, Conn., and well known as a reformer and temperance man, died at his home, in that city, on January 24th. He had been ill with pneumonia for about ten days and gradually succumbed to the ravages of the disease. Mr. Adt was sixty-one years old. He was well known in that city, having lived there for many years. He was a great temperance advocate and was the prime mover in the action taken by the Chamber of Commerce when they decided to omit wine from the table at their annual banquets. Mr. Adt has also been connected with numerous other reform movements. His liberality won for him many friends. He contributed much to objects of charity. Mr. Adt leaves a wife and daughter. His nephew, Howard E. Adt, who is engaged in business with him, is councilman of his ward.

The Supplee Hardware Co., Philadelphia, Pa., have circulated a handsomely colored placard, entitled "The Planet, Jr," The four corners contain agricultural scenes, showing "the Planet, Jr.," used as horse hoe, cultivator, rake, plough and drill. In the centre is a representation of the world girdled by "Planet, Jrs."

The annual meeting of the Ohio Hardware Association will be held at Columbus, Ohio, February 13th, at the Neal House.

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The Premier Cycle Mfg. Co.

On the 15th inst., Alfred du Cros, acting on behalf of the John Griffiths Cycle Corporation, paid to President L. H. Johnson, of the Premier Cycle Co., the sum of $15,000, and the attachments which have been standing against the Premier Cycle Co. and the Raleigh Cycle Co. were vacated and the keepers discharged. The Premier Cycle Co. will be wound up as rapidly as possible by Mr. du Cros. Mr. Johnson has organized a new American company, the Premier Cycle Mfg. Co., of which he is president; H. C. Douglas, treasurer, and W. P. Case, secretary. The offices, shipping rooms and shops will be located at Nos. 34, 36 and 38 Watts Street, New York. A line of feather-weight Helical Premiers is being rapidly turned out and was on exhibition at the New York Cycle Show. The new company have received the official report of a series of tests made at the Ordnance Department, United States Arsenal, Watertown, Mass., on Helical Tubing and weldless tubing and on bicycle frames of the same. The following figures will, in these days of lightest wheels, prove of interest:

Frames: Tests Nos. 8041 and 8042.

Helical, weight 5 lbs., 5¼ ozs. Ultimate strain, 448 lbs.
Weldless, " 5 " 14¼ " " " 264 "

Tube: Bending Transverse strains. Tests Nos. 8047 and 8052.

	Wt. per foot.	Thickness.	Diameter.	Ultimate strength.
Helical,	4.05	.026	1.	848 lbs.
Weldless,	4.06	.027	1.	387 "

Tube: Compression. Tests Nos. 8053 and 8054.

	Wt. per foot.	Thickness.	Diameter.	Ultimate strength.
Helical,	4.19	.027	1.01	131,900 lbs.
Weldless,	4.03	.027	1.00	91,710 "

Two New Style Store Ladders.

The accompanying engravings show two new styles of Store Ladders, offered the trade by the Bicycle Step Ladder Co., No. 50 State Street, Chicago, Ill., in addition to their regular well-known line of Bicycle ladders. The Chicago Ladder, Fig. 1, is offered as an improvement on other ladders of its class heretofore sold. The company claim to have avoided the faults of other makers, and have added valuable improvements, making a ladder as durable, safe



FIG. 1.

and easily operated as one of this kind can well be. It will readily be observed that a large wheel will carry the ladder smoother and with less friction than a small one, making it easier to operate, and with less liability of wearing and getting out of order. Not using a tubular track, the company are not restricted in the size of the wheels used to the little caster rollers, eight of which are usually found in the bearings of this class of ladders. They employ instead the same wheel and bearing as in their Bicycle ladders, which have been perfected so that they run as easily as a safety bicycle. By a simple device the ladder is prevented from tipping sidewise while standing on it, and is thus a safe ladder. It is also made to follow a straight line in moving along the shelving, making it unnecessary to climb down from the ladder when it is desired to move it

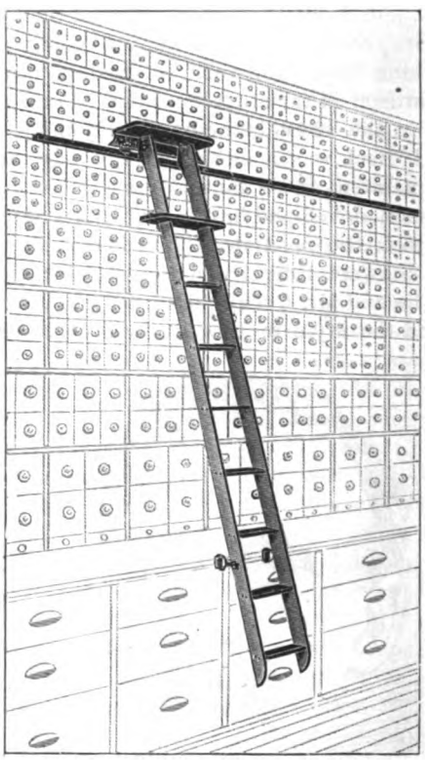


FIG. 2.

along the shelving more than a few feet. The track used is of steel and wood, attached to the ceiling with wrought iron hangers, nicely finished in bronze and black and presenting a handsome appearance. It is stated that this ladder cannot possibly get off the track.

To those who are looking for a rolling ladder service at a low cost, the "Iowa" ladder, Fig. 2, which rolls on an overhead track, will be found very desirable. It contains many improvements and is easily operated. Where the shelving is perfectly solid and secure, and well braced with uprights at frequent intervals, a hanging ladder of this kind can be used without trouble. The make and finish of the Iowa ladder is exactly the same as that of the Bicycle ladder, with the exception of the hangers. The track is made of wood and steel and is fastened with strong screws directly to the face of the shelving, the screws going through the track and well into the edge of the shelf opposite which it is placed. The wheels are the same as in the Bicycle ladder. This ladder is made in oak or hard pine, bent or straight, and with nickel or japanned mountings. Any further information desired regarding these new style store ladders will be gladly furnished by the manufacturers.

National Saw Co. Busy.

While many manufacturing concerns are complaining of the dullness of trade and lack of orders, the cheering report comes from the National Saw Co. that their entire plants in Newark, N. J., Cincinnati, O., and Middletown, N. Y., are working a full force of men, and are running on full time. Orders are coming in very satisfactorily, and all indications point to a good season's trade. The company promise the trade prompt shipment of orders from any of the following places: Newark, N. J., Cincinnati, O., and Middletown, N. Y.

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Porter to Partnership.—VI.

To a country-bred young man the bustle and din of New York are very bewildering. The crying of porters and hackmen at the depot is a fit commencement of a city visit. Some of the hotel runners acted as if they were going to carry us to their hotels whether we wanted to or not.

"Where will you stop?" I asked my friend.

"At the Schmidt House; will you go to dat?"

"No, I am going to stop at the Astor."

"Ah de Ashtor! My gootness! Dat will cost you two tollars efery day."

"Well, the money comes out of Mr. Ely's pocket, you know, and he told me to go to the Astor."

"Den pusiness must pay like plazes to shtand dose brices; I will open a shtore in Yarmantown."

We came to the Astor House coach just then and I bade Fisher good-bye for awhile; he promising to come and call on me. When the coach put me down in front of the hotel, I doubt if a more uncomfortable youth existed in the city. I had never had much experience at hotels, and I dreaded doing something awkward that would advertise the fact I was fresh from the country. I entered the door and was met by a crowd of people, some coming out and others going in. A porter came up to me and took my valise while I followed him to the office. The clerk pushed a book towards me, and in as bold a hand as I could write I entered my name and residence.

"Do you want to go to your room now?" the clerk asked, and I said I did, adding that I expected to stay in the city a couple of weeks and wanted a room not too high up. He acted as if he did not hear me, but sounding a bell, gave the waiter who answered the summons my key and the order to "show this gentleman to 74."

I was glad to get where I could wash my face again and was well pleased with my room. From a notice on the door of "Dinner from 4 to 6," I found I was in good time for that meal and my appetite was in good trim for it too; such lunches as I had eaten along the route were only lunches, and I was ready to sit down to a good, "square meal." I noticed in going to my room that there were servants stationed in each hall, so I questioned one of them about the way to the dining-room, and was duly ushered into the presence of the head waiter.

I have seen a great many prominent men in my time, but there are only two classes who completely overpower me: head waiters at our large hotels and officers in the militia. This particular waiter was the beau ideal of self-complacency and importance. Giving me a majestic wave of a napkin in his hand to follow him he led me to a small table, and then, with a snap of his fingers, called upon a waiter to attend to me. It was my first attempt at wrestling with a bill of fare, and I was not at all easy with it; I knew what beef steak and roast beef were when I heard them mentioned, but I was not up to French, and though there were more things on the bill than I could possibly eat, they were Frenchified to such an extent that I did not know what to call for.

But I managed to make my wants known; when not sure of the proper way to call what I wanted I pointed it out on the bill to the waiter, and I had an excellent dinner, or as we would have called it at home—supper.

Going down to the office I began to feel as ff I were initiated in New York life, and I found my way to the reading-room, where I wrote home of my safe arrival.

The rest of the evening I spent in walking up and down Broadway, looking in the windows of the stores and watching the passers-by. It was all as wonderful to me as any of the stories in the "Arabian Nights," and I already pictured myself as a hero in relating these wonders when I got home.

Though I was very tired I did not sleep soundly that night. The perpetual rumbling of the 'busses, the walking in the halls, the strangeness of the bed and room all kept me from sleeping soundly, but for all that I was ready to begin business the next morning.

My first call was on a firm who were personal friends of Mr. Ely. I was struck with the air of quietness that pervaded the store; no one paid any attention to me as I proceeded through tables, upon which cloths were piled, towards the office. I saw several men in the room, but while they appeared to be busy, they were as quiet as if they were in church. Before I reached the office a young man met me with a nod of "good morning," but his face asking, "What do you want?"

"Is Mr. Gray in?" I asked.

"Yes; do you want to see him?"

"I do; I have a letter for him."

"Step this way."

I followed him to the door of what proved to be the private office of the head of the house, and I found myself in the presence of Mr. Gray. He looked up inquiringly as I entered, so I at once proceeded to business. "I am from ————. on business for Mr. Ely, and have brought you a letter from him."

"Please sit down," he said, at the same time taking the letter. After glancing over it he said: "Mr. Ely says you were never in New York before; if we can be of help to you in any way, I hope you will feel free to call upon us; I will speak to Mr. Fry, so that he will understand matters if I am not here."

He touched a bell and the young man who had shown me the office answered the summons.

"Mr. Fry, this is Mr. Rowland; he is here to buy goods for Mr. Ely, of ————. Please give him any assistance he may need in finding localities, etc."

When I was out with Mr. Fry he promptly put me through a course of questioning as to what I was going to buy; how long I was staying in town; where I was stopping, and what I was going to do evenings. He showed me where the principal houses were that we dealt with, and made himself very pleasant and useful.

"By the by," said he, as we were parting, "don't you want to go to the theatre to-night? I'll be at the hotel in the evening, and glad to go with you if you like."

I thanked him, and said I would like to see the theatre. The world was suddenly opening before me.

The New York sales office of the Stewart Wire Co., Easton, Pa., has been discontinued. All communications should hereafter be addressed to the company at Easton. The company are in a position to make prompt shipments, and will give careful attention to orders intrusted to them.

The Arcade File Co., of Anderson, Ind., announce that they will erect a two-story brick addition to their already large plant, which has doubled its capacity within the past year. A full force is working full time and will be increased.

The Cattaraugus Cutlery Co., Little Valley, N. Y., have offered to sell their plant to a syndicate of citizens at the inventory value, and give twenty years' time on two-thirds of the price.

The Lawrence-Letts Elbow Co., Waverly, N. Y., will enlarge their plant by building a department especially for the manufacture of the stove pipe sizes and the storing of the elbows.

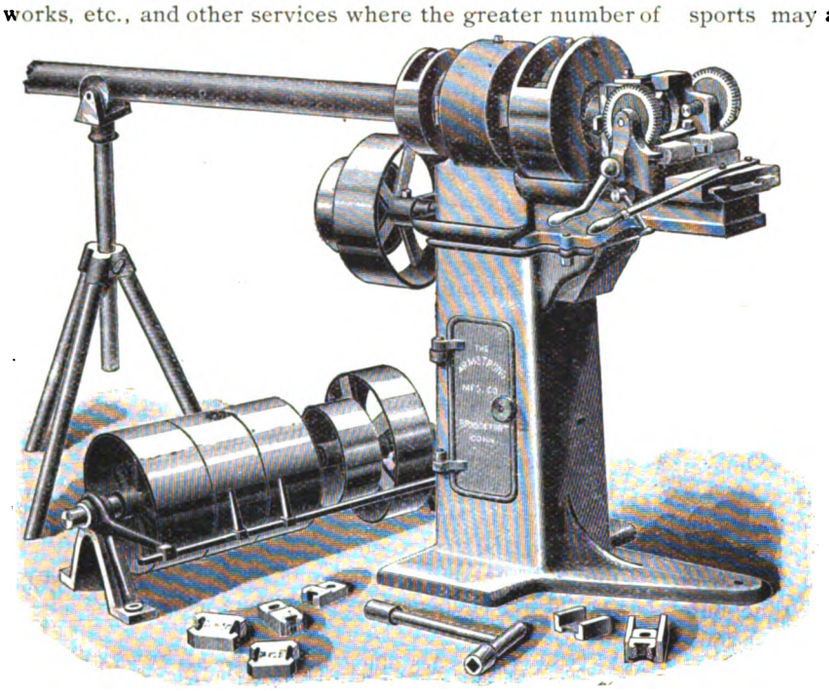
The sixty-fourth annual dinner of the employees of Logan, Gregg & Co., Pittsburg, Pa., took place January 3, at the Hotel Duquesne.

The Acme Aluminum Co. is the name of a new enterprise at Centrebrook, Conn.

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Armstrong Pipe Threading and Cutting-Off Machine, No. 2 1-2.

Steam fitters and others having to do with the cutting and threading of pipe, will, it is said, "find in this machine one of the finest and most convenient tools built for their especial line of work. It is an improved form of the well-known No. 2 pipe threading and cutting-off machine for hand or power, built by the Armstrong Mfg. Co., Bridgeport, Conn., and retains the many attractive features of that machine in addition to others peculiarly its own. It is very compact, rigid and durable, and does not require the services of a skilled operator. All of the gears and working parts are enclosed in an oil tight chamber, which insures their perfect lubrication, and effectually keeps out dust, dirt and chips which might otherwise get to them and thus interfere with the perfect working of the machine. Ease of operation and long life to the vital parts of the machine naturally follow. In one particular this machine differs essentially from all other pipe cutting and threading machines of its class built by the Armstrong Co. In its operation the *pipe* revolves instead of the dies, being held securely by tight gripping chucks. For radiator steam coil works, etc., and other services where the greater number of



pipes are of comparatively short lengths, this will be found a particularly desirable arrangement. The dies and cutting-off tool are held stationary and are opened and closed by means of a double geared crank handle as shown. Expanding dies are used in connection with a self-centering and powerful gripping chuck, insuring speed in cutting off and thread a pipe. These are of the regular Armstrong pattern, widely and favorably known for the perfect thread their use insures, the small amount of power necessary and their great durability. They are furnished to thread from one to four inches inclusive. Quick interchangeability of the various sizes of dies, coupled with a construction which permits of separate adjustment for three different sizes, enables the operator to thread pipe to suit all variations in ordinary fittings, and to open and close the dies any number of times without changing the adjustment. Again either of the sizes may be used alternately without change of adjustment, or the dies may be quickly taken out to permit of the free passage of the pipe to be cut off, and the adjustment still remain unchanged. An objection frequently raised against machines using expanding dies, is, 'Our men are not skillful enough to use expanding dies without threading some of the pipe too large and some of it too small.' This has been met and successfully overcome in the tool here shown. Though the dies are quickly opened after threading a piece of pipe, yet they may be as quickly closed together again, without the least danger of variation, unless intentional. The weight of this machine is about 700 pounds; with countershaft, 850 pounds. Speed of countershaft should be about 225 revolutions a minute." The Armstrong Mfg. Co. report a wide adoption of the No. 2½ machine among water, steam and gas fitters generally. The headquarters of the company are located at Bridgeport, Conn., with New York offices and salesrooms at No. 139 Center Street.

Sportsmen's Exposition Association.

On January 15th, the Sportsmen's Exposition Association were granted a charter as a corporation by the Secretary of State. The following is a list of the trustees: Charles Tatham, F. S. Webster, P. G. Sanford, J. Von Lengerke, John S. Wise, Jacob H. Studer, Charles Daly, Archibald Rogers, J. A. H. Dressel.

The particular business of the corporation is the study of field sports; the holding of expositions promotive of field sports; the establishment of assembly rooms or headquarters in New York City, where those interested in field sports may assemble; and, incidentally, the founding of a sportsmen's library in such headquarters, for the use of members and visitors.

The principal office of the corporation is to be in New York City. The names of the incorporators are: Charles Daly, John S. Wise, J. A. H. Dressel, Jacob H. Studer, Frederic S. Webster.

The intention of the corporation is to acquire as large a membership as possible, and a vigorous effort will be made to enroll every sportsman as a member. This may seem a herculean task, and not possible of accomplishment, but the support of hundreds of sportsmen can be reasonably expected. The policy of the trustees will be all that could be desired. The interest in the forthcoming exposition of the Association is daily increasing. The spaces are more than half taken by the leading firms and associations. The first annual trades convention of the corporation will be held May 16, 1895, at 3 P.M., during the week of the exposition. Special arrangements will be made with all railroads in the United States for one and one-third fare rates to all persons attending the convention.

A New Corporation.

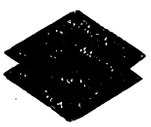
The old and reliable firm of John Chatillon & Sons, manufacturers of scales, butchers' tools and machinery, Nos. 85–93 Cliff Street, New York, established in 1835, have been incorporated, under the same name, with a capital of $200,000. The directors of the company are George H. Chatillon, Edward C. Schaefer, of New York city, and Louis A. Tranberg, of Brooklyn.

"Special stocks made to order, $4 and upward," is the announcement of an east side gun shop. Special stocks are made to please the finical tastes of German shooters, high connoisseurs in all that pertains to the rifle. A gun shop in the German quarter must be up to date in all things, and must not attempt extortion, because the hundred and one shooting societies of that region include a great number of experts.—*New York Sun.*

The Bethlehem Iron Co.'s armor expert, Lieut. J. F. Meigs, is back from Russia, bringing with him an order from the Russian Government for 1500 tons of non-harveyized armor plate.

A Superior Line of Garden Hose.

An important branch of the large business carried on by the New York Belting & Packing Co., Ltd., at No. 15 Park Row, New York City, in vulcanized rubber goods, is the manufacture of Garden Hose. The goods offered in this department for the ensuing year are especially attractive, both in quality and workmanship, and worthy of careful inspection by dealers desirous of handling a superior line. All this company's hose is machine-made, and has seamless tubes, insuring evenness and uniformity in construction, compactness and extreme durability. For lawn and hydrant use there are several grades. "Of rubber lawn hose, the brand '1846 Para' rightly stands at the head, being recognized as the very best rubber hose for the purpose, in the market. It has been manufactured for nearly fifty years, and is made with great care from the finest quality of Para rubber and cotton duck. Next is the 'Double Diamond,' a strong and durable hose, warranted by the makers to give entire satisfaction.



It is constructed of excellent stock, and with the exception of '1846 Para,' there is nothing better in the market." The "Carbon" and "Spider" brands are the cheaper grades, and very popular as such. They are made in a superior manner and give very satisfactory service.

In cotton lawn hose, the "Double Diamond" is deserving of special notice. Only the best long staple cotton, heavily and closely woven, is used in the manufacture of this brand, which is capable of sustaining a hydraulic pressure of over 500 pounds to the square inch. A special feature is the seamless rubber tube, which, being perfectly smooth, prevents friction while water is passing through. Every section of this hose bears the name of the manufacturers on a rubber label. The cotton lawn hose possesses great strength and durability, and will stand the pressure of any water-works system. The fabric of this hose is woven in a superior manner. By a special treatment termed Leatherite, of which the New York Belting & Packing Co. are the patentees and sole owners, a positively rot-proof cotton hose is produced. This hose is similar to the "Double Diamond," though not so heavy, possessing all its attractive qualities and in addition being mildew-proof. A change of weave has been made in the covers since last year which adds greatly to its strength and durability.

For the purpose of resisting extra heavy pressure, the company are prepared to furnish all brands of its garden hose, wire wound or armored, when desired. Where hose is subjected to rough usage, as in greenhouses, livery stables, etc., the wire armor affords an efficient protection against abrasion and other injury. Brass goods, such as branch pipes, hose reels and sprinklers, may also be procured at the large warerooms of the New York Belting & Packing Co., which are conveniently located in the heart of the business district of the city, and are equipped with every essential for transacting business conveniently and expeditiously.

Knew What She Wanted.

She entered the Hardware store with the air of one who confers a favor on the earth by continuing to exist upon it. She was as portly as middle age and high living could make her, and as slender as French stays and a tailor-made gown could force her to be. She looked through the clerk with her lorgnette and then said:

"Have you alabaster plates and cooking utensils?"

"Alabaster?" faltered the clerk. "I don't think we have, madame."

"Surely you have," she retorted, wearily, as one who is very tired of having to teach people what they ought to know themselves. "All stores must keep them. They are quite common."

"We do not," replied the clerk, deferentially, "or at least we do not call them by that name."

"Probably not," said madame, contemptuously. "Then see if you recognize them under the name of fire-proof."

"Oh!" cried the clerk, a great light breaking in upon his brain. "You meant asbestos, not alabaster."

And for the next fifteen minutes the stout, imposing lady had a little less the air of conferring a favor upon the community by living.—*New York World.*

Will Be Right In It for 1895.

Rouse, Hazard & Co., Peoria, Ill., have forwarded us one of their 1895 catalogues and cuts illustrating part of their 1895 line. Their catalogue is neatly gotten up on heavy paper, and is printed in two colors throughout. It is far ahead of any catalogue ever before issued by this large and well-known house, which is now entering on the sixteenth year in this line, and which has a trade that extends to the four quarters of the globe. For many years they have

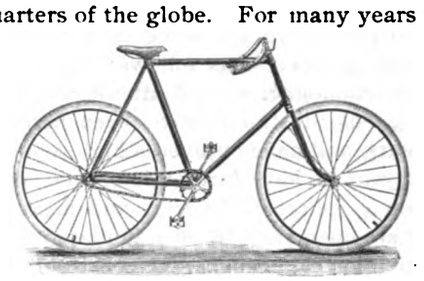


FIG. 1.—MODEL H SYLPH.

had many of their machines built to their own specifications by the best makers they could procure. They have now begun to manufacture their own wheels and will be better prepared to take care of their trade than ever before. Their line for 1895 will consist of thirteen models of Sylphs and Overlands, built on the very latest lines and up-to-date in every detail. They will manufacture five patterns of Sylphs, weighing 16, 19, 21 and 22 pounds, respectively, including racer and a ladies' model, weighing 22 pounds, with chain and dress guards. Price for all patterns of Sylphs, $100.

The Overland line embraces eight patterns or models in 24, 26 and 28-inch wheels, and prices $40, $50, $65 and $75, including both diamond and drop frames. All Overlands and Sylphs are built of Shelby steel tubing, and drop forgings are used throughout. All bearings are tool steel, even in the lower priced machines, while in the $75 and $100

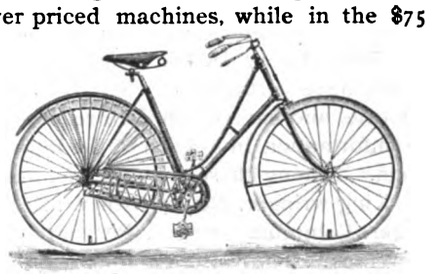


FIG. 2.—TWENTY-SIX INCH LADIES' OVERLAND, $50.00.

models the bearings are absolutely dust-proof, a feature indispensable for easy running. Besides the thirteen models mentioned above, a complete line of sundries will be carried, also a large and varying line of special bargain cycles. Exclusive territory and complete protection will be given agents, the same as last season. The catalogue illustrating and describing their complete line can be had for the asking.

McLean Bros. & Riggs' Melbourne house have recently taken over the business of Wood, Paton & Co., at Sydney, New South Wales, and Eyres, Black & Co., at Adelaide, South Australia, and in future such will be conducted under the name of McLean Bros. & Rigg, Ltd.

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THE LATEST CATALOGUES.

North Brothers Mfg. Co., Philadelphia, have in their 1895 catalogue and price list of Hardware Specialties for Household Use presented a solid and attractive publication, filled with information of special and essential value to Hardware dealers. A glance through the pages shows thorough illustration and description of their various ice cream freezers, ice chippers, freezer clamps, ice shaves, meat cutters, scales, beaters, cake pans and batter mixers, candlesticks, fluting machines and hand fluters, wringers, tobacco cutters and shaves, faucets, Christmas tree holders, etc., ending up with their tables of weights and measurements of all goods. We have from time to time taken pleasure in illustrating these various specialties, and it is only necessary to say that they are made by the North Brothers Mfg. Co. to give them a standing for value and reliability of a high grade. The company call this their first complete catalogue, and in presenting the same they touch upon some special points of interest as follows: "In presenting this first complete catalogue, we call attention to the fact that the lines of goods illustrated have been favorably known for many years, and have enjoyed a high reputation. During the past year we have further improved and perfected several lines, as ice cream freezers and meat cutters, and to-day they are unequaled by any similar goods in the market, in perfection of design and construction, or in efficiency and convenience in practical use. It is our constant aim to maintain our lines of goods as pre-eminently the best of their kind, and to this end we confine ourselves almost exclusively to Hardware Specialties for Household Use, that our efforts may be concentrated on this one line, rather than distributed over a number of widely differing lines of goods. That our goods are the best of their kind to-day is amply testified to, in the fact that such leading instructors in tne art of cooking as Mrs. S. T. Rorer, Mrs. D. A. Lincoln, Mrs. C. M. Dearborn, Mrs. E. P. Ewing, Miss Amy Barnes, Miss Juliet Corson, Miss Anna Barrows, Miss A. W. Cramer, Miss Lucy C. Andrews and many others use our goods in their classrooms, lectures and demonstrations. Furthermore, the fact that leading jobbing houses handle our goods extensively, also demonstrates that our goods are popular and satisfactory among the trade."

The National Wringer Co., Canton, Ohio, have issued a catalogue, upon the title-page of which we find the words, "Wringers: What Every Dealer Ought to Know About Them." They have certainly carried out the suggestion made in this title, and have given their readers a great deal of valuable information in regard to the lines of wringers made by them. Among these may be mentioned the Erie wringer, the King wringer, No. 77 wringer, Zenith wringer, Prime wringer, Columbia wringer, Pittsburg wringer, and their wringer rack. They also manufacture the Daisy ratkiller, which is illustrated and described. Several pages are devoted to their price-list of wringers and rolls, while a great variety of testimonials of a very strong character are also published. Under the heading of "Is a Wringer a Necessity?" the company speak to their friends and patrons as follows: "Ninety-nine out of one hundred would unhesitatingly answer 'Yes.' If, then, a wringer be a necessity, how to buy wringers is necessary information. A few pointers on this subject may serve you. To start with, the rolls of a wringer is its most important feature and receive our special attention. The rubber is first rolled out into long thin sheets; the shafts are specially prepared; all grease and scale is removed. They then receive a coat of copper. The rubber sheets are then wound around the shaft until the desired thickness is obtained; they are then placed in a mould and are vulcanized. No twine or wire is used. All rolls are solid white rubber through to the shaft. The frame of a wringer is next in importance; and on all parts of the frame, wherever the most strain is concentrated, is specially strengthened. In all wringers manufactured by us the pressure on rolls is adjusted from the centre and an equal pressure is thus assured on all parts of the rolls. The National Wringer Co. are the largest manufacturers of iron frame wringers in the world, and special attention is directed to the Erie and King wringers. Whatever kind of wringers you decide to buy, whether it be an iron or wood frame, it behooves you for your own protection to be careful to buy only those wringers which have been made by the best and most reliable manufacturer."

Rouse, Hazard & Co., Peoria, Ill., are sending their "sixteenth annual greeting" in the shape of a handsomely illustrated catalogue of their Sylph and Overland Cycles. This is printed upon white paper, with type and illustrations in blue, with old gold margin, and is artistic and one of the handsomest issued this year from a bicycle house. The wheels and parts thereof are all thoroughly illustrated. The catalogue is accompanied by an inset, which is entitled "Extraordinary Reductions in 1893 Wheels," and contains an exceptionally attractive special bargain list. In a note of introduction and greeting to their friends the company have the following to say in regard to their present plans and prospects for the coming year: "It is with no little pride and satisfaction that we offer our Sylph and Overland cycles for 1895. As is well known, we are one of the pioneers in the bicycle trade in America, there being, we believe, but two firms older established in the business than ourselves. Although our line has always been one of the leaders and our agency a most valuable one, and our Sylphs and Overlands have been received with constantly increasing sales, we have never offered a line that we felt so sure would be received with universal favor as the one we catalogue herein. For this, our sixteenth year, our line has been made complete, and now comprises the only really *complete* line offered by any one maker in this country. Every machine in the line is the best in its respective grade and weight, and is offered by us with full confidence and backed by our warrant, which our tens of thousands of customers have found to be worth one hundred cents on the dollar. In the future, as in the thirty years since our business was established, it will be our constant endeavor to treat our customers with fairness and courtesy, and especially in the matter of our warrant we shall aim to treat every customer not only with justice but with liberality."

The Grand Rapids Cycle Co., Grand Rapids, Mich., have performed still another service to their friends in the bicycle line by the presentation of a handsome catalogue for 1895. Upon the cover we find a clipper ship in full sail on peaceful waters, which is an able representation of the condition of the Clipper bicycle trade for the year 1895. This company made a creditable representation at the two great bicycle shows of 1895, and impressed the fact upon the minds of the trade that the Clippers have come to stay and are holding their own in all parts of the country. In this catalogue we find a representation of the original Clipper factory, which consisted of a small wooden shed with an annual output of about three wheels, while in another part of the book may be found pictures of their already important factories at Grand Rapids. The wheels are thoroughly illustrated and described in detail, and printed in the catalogue may be found the following ample guarantee: "We will warrant all our Clippers for one entire riding season.

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against defects in material and workmanship. We do not, however, agree to keep our bicycles in repair for one year or one day. We will be liberal and fair with our customers, but we do not wish to be imposed upon. A guarantee, protecting a wheel against rough usage or hard riding over rough roads would be valueless, inasmuch as we have never known of any that did not break down on 'a perfectly smooth road, while riding along very slowly.' Tires and saddles are guaranteed by their makers. Claims for defects in them should be made to the tire and saddle makers. Transportation charges on parts returned must be prepaid by the sender or they will not be accepted."

S. L. Allen & Co., Philadelphia, have issued for 1895 a very handsome catalogue of their well-known "Planet, Jr." line of goods. These articles which, as the company say, "encircle the globe," are too well-known to need detailed description. It is simply needed to say that all of these articles are fully described and illustrated in this catalogue, and that a copy thereof will be sent by the publishers with pleasure, upon application. In a special mention of their goods, the company say: "One of our advertisements last winter stated that 'Hard times do not affect the sale of Planet Jr. goods.' This claim was questioned by some parties in the trade, but the year's record has *justified* our prediction, and we take this opportunity of thanking our many friends for their generous support during 1894. We look for a gradual improvement in business during the year 1895, and can say positively that the 'Planet Jr.' goods will be better than any ever offered before. We would call especial attention to the improvement in our Combined and No. 2 Drill Opening Plows; to the great improvement in the Double Wheel Hoe Frame; to the Plain Single Wheel Hoe, offered for the first time, and to a new furrowing attachment for the Single Wheel Hoe and Combined Drill. We would also direct attention to our new Orchard Cultivator, the best and most easily managed tool that has ever been offered for orchard work. Our trade mark 'Planet Jr.' is known the world over, and our goods are everywhere recognized as the standard in this line; but our constant aim is to improve, and we shall at all times be glad to have friendly criticisms and suggestions with the view of better adapting any of our tools to do more perfect work."

The Western Wheel Works, Chicago and New York, in their little advance catalogue for 1895, illustrate and describe their well known Crescent Bicycles. Among these are noted the Crescent Scorcher Nos. 1, 2, 3, 4, 5 and 6. They also describe their various parts and appliances which they are prepared to furnish, and in a note of introduction say: "In placing our Crescents on the market for 1895, we feel that we have thoroughly demonstrated and proved that a good and reliable bicycle could be made and sold at a moderate price. We have no apologies or explanations to make. When we made our 'standard prices' (December, 1893), we stated then that they would stand for years to come. We also stated in our introduction in our last year's catalogue as follows: 'The new Crescents inaugurate a revolution in the cycle trade, and present that which the public has been looking for since cycling began.' Our prophecy has proved true, for the public has appreciated our efforts to such an extent that all other makers have been forced to reduce their prices in order to compete with us. We have improved every detail of design and manufacture in our '95 wheels; and we feel that the agent, and the rider as well, will be satisfied with the result of our efforts. We have reduced the weights, and in other points made our wheels equal to any. Last year the wood rim was only an experiment. The one we will use for '95 we tested thoroughly last year, used thousands of them, and feel that ours for '95 will be entirely satisfactory. The Crescent line will be fitted with wood rims throughout. Our policy has always been to make honest wheels and sell them at honest prices. This policy we will strictly adhere to in the future."

The old established house of Wallace & Sons, brass and copper rolling mills, with sample rooms and warehouses at No. 29 Chambers Street and No. 5 Reade Street, New York, and mills at Ansonia, Conn., have issued a new illustrated catalogue. Their previous efforts in this direction have met with the highest commendation, and certainly their present issue demonstrates the progressive position this house has for nearly half a century maintained in the brass and copper trade. The book will be a very acceptable addition to the catalogue libraries of Hardware merchants, metal workers, etc., etc., and will, on account of its complete price lists of different articles as well as its tables of measurements, weights, etc., become a standard book of reference for dealers in their line. Special attention has been given to details, particularly in revising various price lists hitherto more or less confusing, and these changes, together with the profuse illustrations of the various articles they manufacture, make everything quite clear, even to those who may not be thoroughly familiar with the business. The book is also illustrated with cuts showing the improved manner of packing various articles for the convenience and utility of the shelf Hardware trade, such as Star brand copper rivets and burs, copper tacks and nails, spelter solder, etc. Great care has also been taken in specifying the stock sizes of the different goods they carry to enable customers who are in urgent need to be able to see at a glance what they can order, with the assurance of receiving prompt shipment. Several pages in the back of the catalogue are devoted to tables of weights, measurements, etc., etc., of different metals, such as sheet copper, seamless brass and copper tubing, brass and copper rod, etc., so as to enable the trade to estimate on goods of this description comprehensively.

The Bridgeport Gun Implement Co., Bridgeport, Conn., and New York, have published a catalogue of their Cyclometers and other bicycle specialties. We find therein illustrations of their three models of cyclometers for 1895, Star Lamp Brackets, Paravaseline, Emery Paste, Standard Oilers, Universal Whistles, Echo Calls, Search Light Lanterns, etc. The catalogue is neat and handy, and contains a great deal of information in regard to bicycle specialties, prices, etc., that will be of value and interest to that large portion of the retail Hardware trade that is now interested in bicycles. They will be pleased to send catalogue upon application.

The Grand Rapids Refrigerator Co., Grand Rapids, Mich., are publishing a very handsome little catalogue of the Leonard Cleanable Refrigerators manufactured by them. These goods are illustrated, not only by views of their refrigerators and parts thereof, but also by symbolic representations which are attractive to the eye and assist in impressing upon the minds of readers the fact that these goods are first-class in every respect. The company will be pleased to send this catalogue, or other information in regard to their famous Cleanable Refrigerators, upon application.

The Griswold Mfg. Co., Erie, Pa., have issued a little supplementary catalogue for 1895, which presents various features of interest. We find therein descriptions of their Erie hollow-ware, Erie aluminum cast ware, aluminum castings, aluminum tea kettles, skillets, saucepans, lemon squeezers, etc. Also their new improved American waffle iron, French gas griddles, waffle stoves, American damper and damper clip, Erie broilers, and coffee mills, sliding ice pick, gas blast forge, etc. A very entertaining discussion of the value of aluminum cooking utensils is also found in the catalogue.

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NEW GOODS IN THE MARKET

If you have anything NEW, let the world know it by illustrating it in these columns.

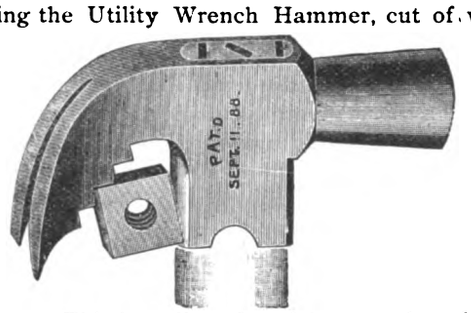
NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The Utility Wrench Hammer.

The Marshall-Wells Hardware Co., Duluth, Minn., are introducing the Utility Wrench Hammer, cut of which is



here shown. This is well made, of best steel, and in addition to being a first-class nail and claw hammer, takes the place also of a monkey wrench, as it will turn readily all sizes of nuts, either square or hexagonal, from three-eighths of an inch to one inch inclusive.

Orange and Lemon Peeler.

Rogers & Bro., No. 16 Cortlandt Street, New York, are offering the trade a practical novelty in the shape of Orange and Lemon Peelers. Both Figs. 1 and 2 are of actual size. When used, the hook of the peeler is forced under the orange skin, the fruit revolved in the other hand, and the peel cut into as many sections as required, the flat face of the hook being about three-sixteenths-inch wide. The blade is then inserted under the loose ends of the sections and readily removed, together with the soft, white underskin. In Fig. 1 is seen the table size, while Fig. 2 represents one for pocket use; Fig. 3 the method of use. The latter are put up in neat leather sheaths or cases; are made in plain, fluted and embossed patterns, either polished bright or in satin finish.

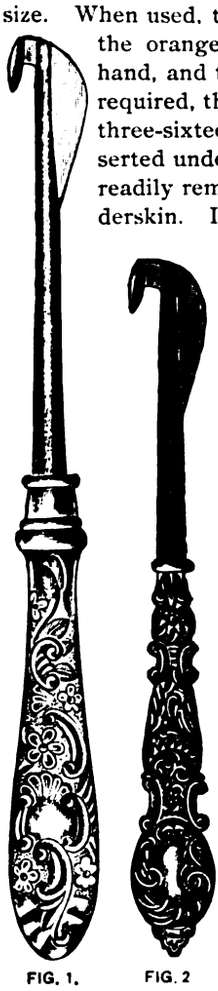


FIG. 1.

FIG. 2

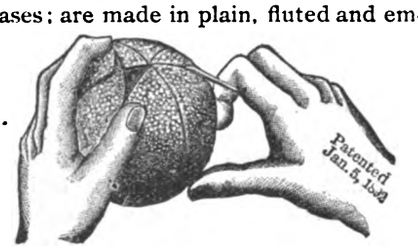
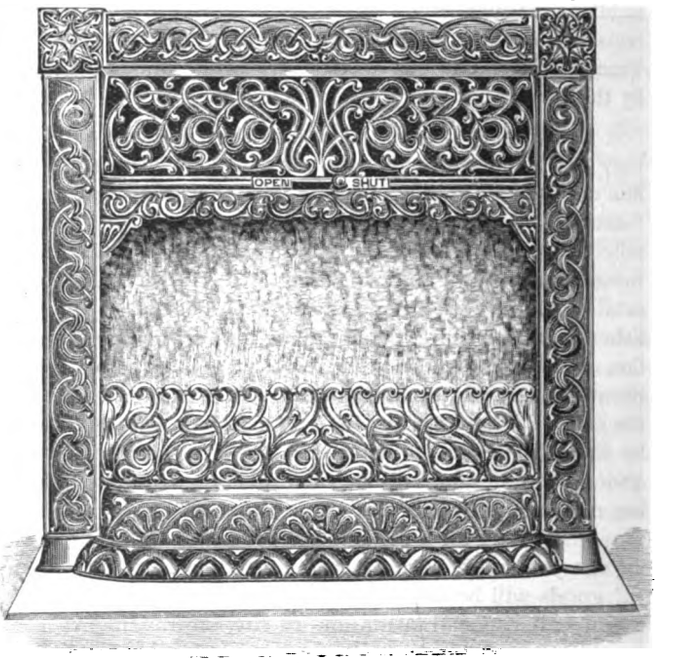


FIG. 3.

Fire King Gas Grate.

A. Weiskittle & Son, Baltimore, Md., are marketing a Gas Burning Grate known as the Fire Grate, which is here illustrated. The manufacturers state that "the burner used is something new in that line and from it is produced excellent results. It is so made as to produce when in operation a solid wall of fire at the back of the grate. A combination cock is used, enabling its adjustment to suit any kind of gas." Another feature referred to is the damper, which is easily operated from the outside, and can be set to carry off the products of combustion without permitting an undue escape of heat to the chimney. "It is well known that in the consumption of some gases more ventilation is required than with others, and the claim is made that this damper enables the operator to give the grate proper ventilation; the construction of these grates is such that they heat by reflection, radiation and circulation." They are made in various styles of finish, such as ebony, oxidized, bright brass, etc. A catalogue of Fire King gas stoves has just been issued by the company.



Oil and Gasoline Can.

A. F. Chable, No. 2827 Euclid Avenue, Cleveland, Ohio, is manufacturing an Oil and Gasoline Can, cuts of which are here given. Fig. 2 is a general view of the Can; Fig. 1 shows it in use. "The emptying tube, which is the principal feature of the Can, is formed of a single piece and is bent to the shape shown in Fig. 1. The position which the tube occupies at the side of the Can is such as to bring the body portion of it close to the side, thus causing the tube to offer no obstruction as an attachment to the Can. The lower inward bent portion of the tube is threaded, and is secured to the Can by the use of a stuffing box, the latter being soldered in the Can as near the bottom as possible, so that all the liquid may be readily drawn off. When filling a vessel of any kind, it is only necessary to release the tube at the top and lower it to a horizontal position, when the full pressure of the contents will be exerted and the liquid will be discharged, and when the vessel is

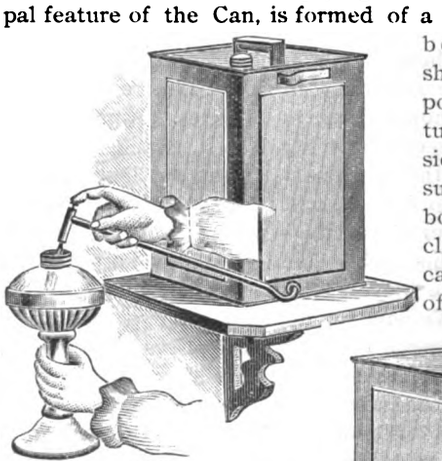


FIG. 1.

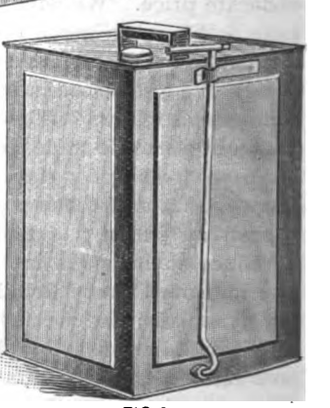


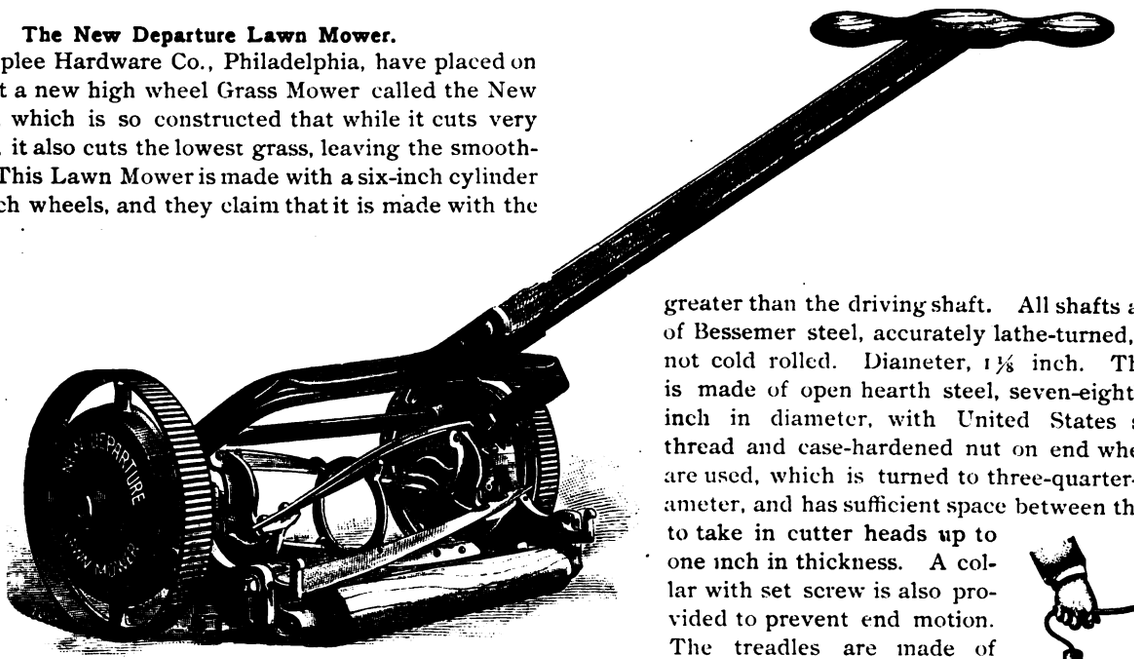
FIG 2.

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filled, the flow is instantly stopped by restoring the tube to its upright position." The tube and attachment can be placed on any can or tank and can be bought separate from the Can.

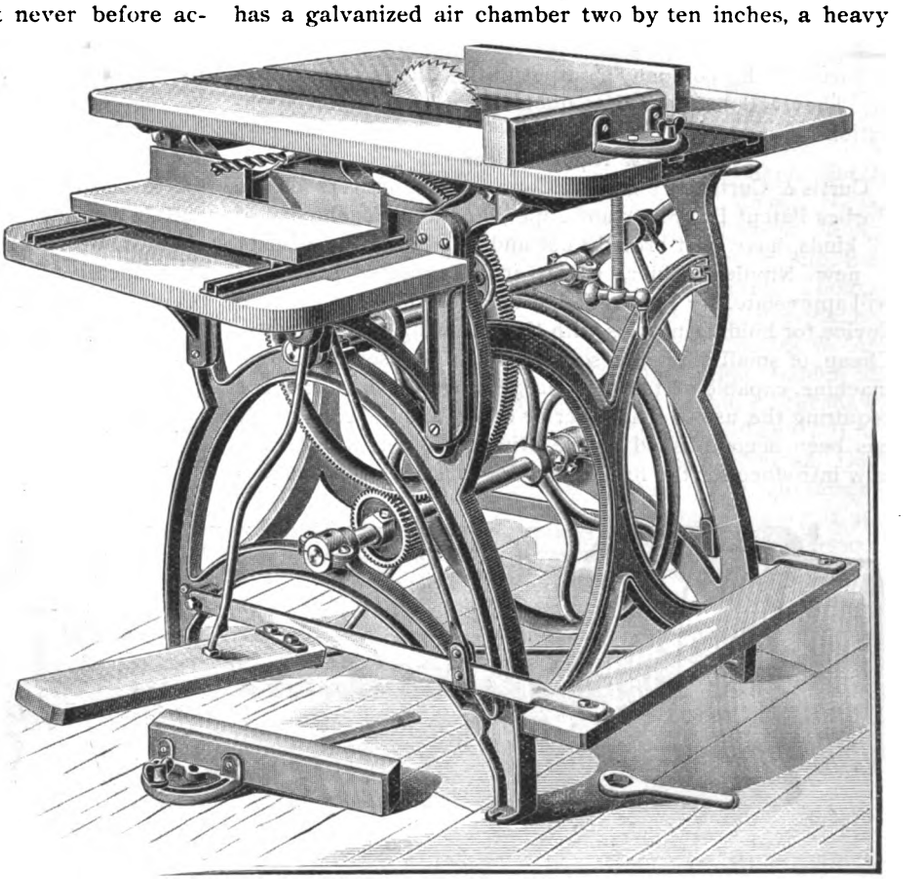
The New Departure Lawn Mower.

The Supplee Hardware Co., Philadelphia, have placed on the market a new high wheel Grass Mower called the New Departure, which is so constructed that while it cuts very high grass, it also cuts the lowest grass, leaving the smoothest lawn. This Lawn Mower is made with a six-inch cylinder and 9½-inch wheels, and they claim that it is made with the same good qualities as embraced in the Continental and Pennsylvania Lawn Mowers. This Lawn Mower has a patent adjustable device for the cutter bar (or dead knife), which will prevent any unequal wear of the dead knife, and by their construction of two set screws, the slight wear that is so troublesome in many mowers is in this one avoided, as with it the least informed can do all that is necessary by slightly turning two adjustable set screws. The New Departure is made self-sharpening to the full extent of the word, and sold under a full guarantee of performing all that is claimed for it. The cylinder can be removed without taking the frame apart, which is a point never before accomplished. The New Departure is made in 15, 16 and 19-inch, the lists of which are $25, $28 and $31, respectively, with a discount to the trade.



Marston's Hand and Foot Power Circular Saw.

The illustration here shown is a Hand and Foot Power Circular Saw, manufactured by the well-known firm of J. M. Marston & Co., Boston, Mass. The frame is made entirely of iron, and of a design that gives it great strength. and with the amount of iron and the thorough manner of bolting together, makes it very rigid, and its weight is sufficient to make fastening to the floor while working unnecessary. In its construction nothing is used but the very best of iron and steel, and all parts are designed with reference to the work they are to perform. The working parts consist of two shafts and the saw arbor. The centre shaft receives the power from the operator, either by treadle or crank, and is applied direct by means of a 20-inch cut gear on that shaft, which meshes into a two-inch gun metal gear on the saw arbor, and also with a 4¾-inch gear on the lower shaft, which also carries a lathe turned balance wheel, 23 inches in diameter, and weighing 40 pounds. By this means the balance wheel is given a speed 4½ times greater than the crank or driving shaft, giving it sufficient momentum and power to carry the saw steadily through the work. At the same time the 20-inch gear, meshing into the two-inch gear on the saw arbor, gives the saw a speed ten times greater than the driving shaft. All shafts are made of Bessemer steel, accurately lathe-turned, and are not cold rolled. Diameter, 1⅛ inch. The arbor is made of open hearth steel, seven-eighths of an inch in diameter, with United States standard thread and case-hardened nut on end where saws are used, which is turned to three-quarter-inch diameter, and has sufficient space between the collars to take in cutter heads up to one inch in thickness. A collar with set screw is also provided to prevent end motion. The treadles are made of wrought iron, and the cranks have extension handles that can be adjusted to different length of stroke. The table is 28 inches wide by 37 inches long, and the entire height of machine is 36 inches.



The Crescent Automatic Spray and Force Pump.

The Crescent Brass & Iron Works, Detroit, Mich., are offering the trade the Spray Pump which is here illustrated. It is designed for bucket use only. It has a galvanized air chamber two by ten inches, a heavy brass cylinder, metal valves, brass spiral spring and a saucer-shaped anti-clogging foot. The length of the rubber tubing is twelve inches.

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Alaska Tack Hammers.

The Troy Nickel Works, Troy, N. Y., whose "always cold" stove specialties are so well-known to the trade, are

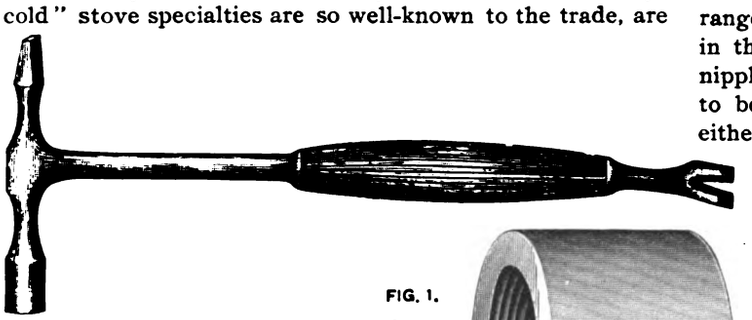


FIG. 1.

successfully placing upon the market a line of Tack Hammers here shown. They are described as made in a first-class manner, of the best material. In Fig. 1 is shown the Perfect Ladies' Ham-

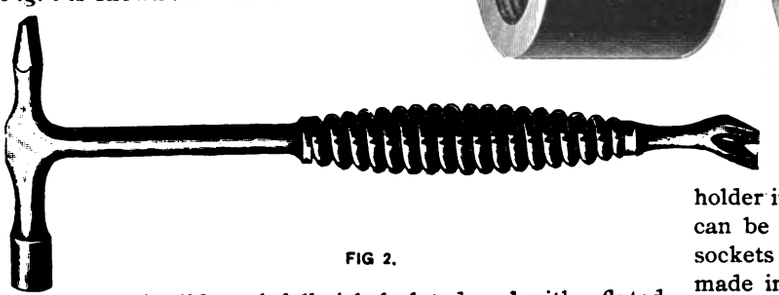


FIG 2.

mer, made of solid steel, full nickel-plated, and with a fluted rubber handle. In Fig. 3 is seen the Alaska Tack Hammer, made also of solid steel, and full nickel-plated. Still another form of the company's output in this line is seen in Fig. 2. They will be pleased to quote prices, etc., upon application.

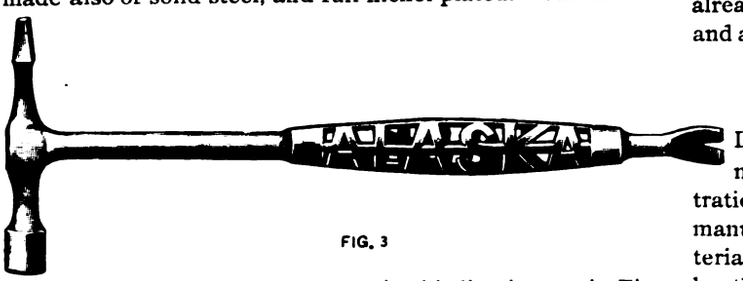


FIG. 3

New Nipple Holder.

Curtis & Curtis, Bridgeport, Conn., manufacturers of the Forbes Patent Die Stock and Pipe Threading Machinery of all kinds, have just brought out and placed on the market a new Nipple Holder, which it is expected the trade will appreciate. "The trade has long felt the want of some device for holding nipples with the following requirements: Cheap, of small diameter, so that it can be used in a pipe machine, capable of taking a large range of sizes and not requiring the use of a hammer or other tools. This result has been accomplished in the Nipple Holder, which they now introduce for the first time. Fig. 1 is a transparent picture to show the internal workings of the holder. To operate the holder, a socket (B) of the proper size for the pipe to be held, a separate cut of which is shown, Fig. 2, is secured to the body (C) by an one-eighth turn, and the screw (D) is run forward by a wheel provided at D. The nipple is then screwed into the socket as shown in the cut, but is so arranged that it bottoms on the plunger (A) before it jams in the thread and is thus held securely. To release the nipple, a part of a revolution of the screw (D) will allow it to be removed by the fingers. These holds can be used either in a vise with a common die stock, or they can be used with any of the pipe machines now on the market, as well as with the Forbes Patent Die Stock manufactured by this firm. To meet the requirement also of the common style of over-hung spindle machines, this firm has also adopted this same principle to a holder intended for their use. Either right or left threads can be held with equal ease, and at a very slight expense sockets for any unusual thread required. They are now made in various sizes up to a capacity of six-inch pipe, but can be made to any required size." Although they have never been advertised, already large quantities have been sold and a still larger trade is expected.

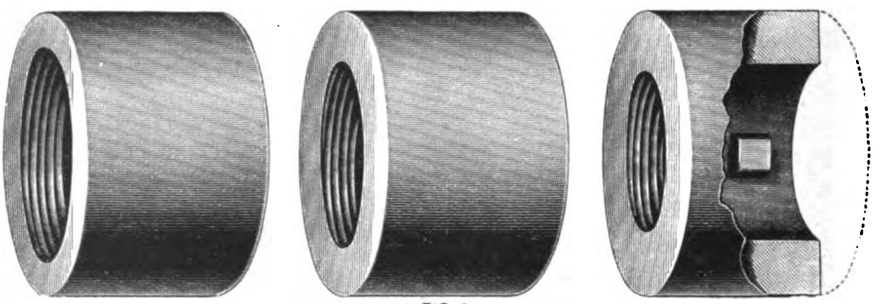


FIG. 2.

The Eclipse Lawn Sprinkler.

The Crescent Brass & Iron Works, Detroit, Mich., are placing upon the market a Lawn Sprinkler, an illustration of which is here given. The manufacturers state that it differs materially from the Crown sprinkler made by the same company in having no revolving parts; that it cannot be demolished when stepped on, and that it will last a life-time. The sprinkler is made for three-fourth-inch hose attachment, and distributes the water evenly, it is claimed, over a circle of thirty-six feet in diameter. It is made of cast iron, and is japanned in bright vermillion.



Eclipse Can Opener and Cover.

J. H. Seed, Nos. 21–23 Center Street, New York, is offering a device for opening cans. It also serves as a cover, the cut of which is here shown. The maker states that "it keeps the milk sweet, and all objectionable substances, such as insects, dust, etc., are excluded. It is highly recommended by all cooks. It does the work easily, and makes a clean cut. The knife is made of the very best tool steel, and the cover is highly nickel-plated. The extreme sim-

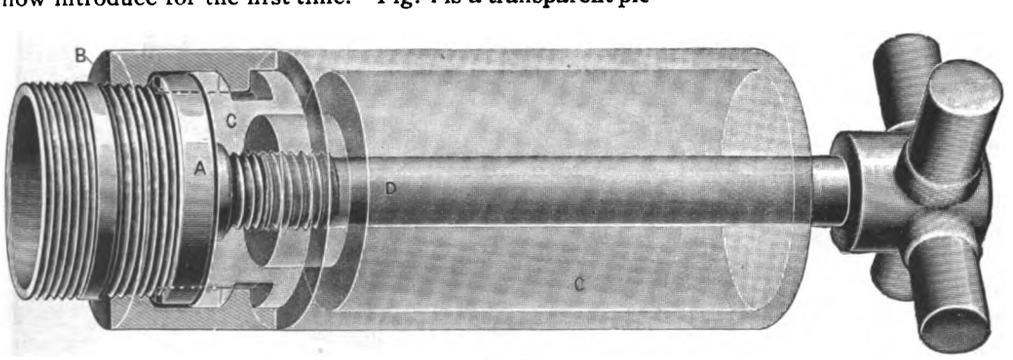


FIG. 1.



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plicity, low cost and utility of this little article has made it very popular, and thousands of housekeepers are using it with perfect satisfaction." The following are the directions for using: Place the cover on the can, and with a slight pressure force the point of the knife through the tin; hold can firmly and turn the cover once around. Always open the can at the thin end and thus avoid cutting through double tin and solder.

A Modern Watch.

Robert H. Ingersoll & Bro., No. 65 Cortlandt Street, New York, have made an advance step in one direction that will appeal directly to Hardware dealers who carry the latest novelties in stock. They are offering a new American Stem-winder Watch that they declare is "a duplicate in quality, appearance, size, etc., of any American watch sold for less than $10, and which we positively and unequivocally guarantee." They have sold thousands of these to Hardwaremen, who have found it well worth their while to handle. In Fig. 1 we see the Climax Watch and in Fig. 2 a representation of its movement. In description of it the makers say: "This is the Climax up to date. It represents the most important step taken in watch evolution in many years. It describes a line beyond which nothing radical will pass for years, not only in the matter of price, but quality. The movement comprises many original patented features, and has been for years the subject of constant labor by one of the foremost of experts and inventors. Cases—two styles, plain and imitation engraved. Two finishes, solid gilt and nickel. Two dials, Roman and Arabic. Snap back. Heavy Bevel crystal. Regular stem wind. Inside stem set. Regular 18 size case. Chains assorted in each dozen. Movement—regular American lever, lantern pinion, quick train, 240 beats per minute, three-quarter plate, short wind. Runs 30 hours to one winding. Dust cap over movement. Fully timed and regulated, and fully guaranteed for one year, the same as a Waltham or Elgin. The cheapest Stem-winding Watch ever produced. Trade price (net spot cash), including chains, $15.60 per dozen."

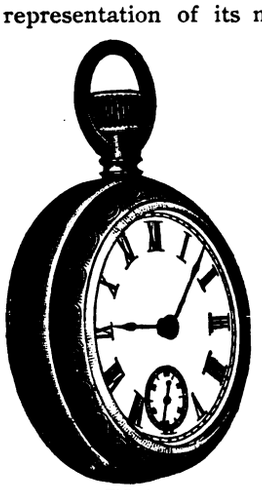


FIG. 1.



FIG. 2.

National Association of Manufacturers.

The gathering of manufacturers in Cincinnati, on January 22nd, concerning which we have had considerable to say from time to time, was a success, both as to attendance and results. There were a large number of manufacturers present from all parts of the country, who devoted their time with great enthusiasm to the purpose of a new organization during the three days of their attendance. The convention was called to order on Tuesday, the 22nd, by W. B. Melish, chairman of the committee on entertainment, who announced the temporary officers as follows: Chairman, Thomas P. Eagan. Secretary, E. P. Wilson. The chairman, in a brief speech, outlined the purpose had in view in this proposed organization of American manufacturers, and then introduced Hon. William McKinley, Governor of Ohio, who delivered a stirring address concerning the purpose of the gathering, at the conclusion of which he said:

"We want our own markets for our manufactures and agricultural products; we want a foreign market for our surplus products which will not surrender our markets and which will not degrade our labor to hold our markets. We want a reciprocity which will give us foreign markets for our surplus products, and in turn that will open our markets to foreigners for those products which they produce and which we do not."

An address was delivered by Mayor Caldwell, of Cincinnati, after which committees on organization, credentials, resolutions, etc., were appointed. At the afternoon session the committee on resolutions reported the following, which was carried:

Whereas, United action in all matters affecting the manufacturing industries of the United States of America is essential to their conservation and promotion, the same can be better effected by the formation of a National Association of Manufacturers of the United States; therefore be it

Resolved, By the manufacturers of the United States in convention assembled in the city of Cincinnati, Ohio, this 22d day of January, 1895, that a national organization of manufacturers of the United States be formed to carry into effect said purpose; and that the chairman of this convention be authorized to appoint a committee of fifteen to prepare a constitution and by-laws for said association, to be reported at the session of this convention Thursday morning, January 24th.

The temporary officers were chosen as permanent officers. Speeches were made by a number of prominent gentlemen, and the principal work of Thursday was the adoption of the constitution, which provided that the association should consist of all national, state and local associations, clubs, societies and other organizations of manufacturers in the United States, and associate members as shall from time to time be admitted thereto by a vote of three-fourths of the executive committee of said association.

The officers were to be a president, treasurer and secretary, with one vice-president from each State and territory. The association is to meet annually. An executive committee, with headquarters at Cincinnati, was to be created, and each association, society, club, organization and associate member shall pay $50 dues per year. The following gentlemen were elected officers:

President, Thomas Dolan, Philadelphia, Pa.; Treasurer, Robert Laidlaw, Cincinnati, Ohio; Secretary, E. P. Wilson, Cincinnati, Ohio. Vice-Presidents: Hon. Warner Miller, Herkimer, N. Y.; William D. Shallenberger, Pittsburg, Pa.; John B. Kirk, Chicago, Ill.; Thomas P. Egan, Cincinnati, Ohio; L. D. Kingsland, St. Louis, Mo.; Fred. W. Silvey, Milwaukee, Wis.; P. E. Studebaker, South Bend, Ind.; Arnold B. Sanford, Fall River, Mass.; R. G. Soloman, New Jersey; John B. Howarth, Detroit, Mich.; Pliney Jewell, Hartford, Conn.; W. R. Vanderclute, San Diego, Cal.; C. A. Pillsbury, Minneapolis, Minn.; Thomas Deford, Baltimore, Md.; Charles Fletcher, Providence, R. I.; Theodore Ahrens, Louisville, Ky.; Charles W. Armour, Kansas City, Kas.; J. H. MacMullen, Biddeford, Maine; Levy C. Barton, Omaha, Neb.; Dabney Crenshaw, Richmond, Va.; C. D. Mitchell, Chattanooga, Tenn.; H. C. Tossey, Sherman, Texas; L. F. Hanson, Warren, Ga.; Ex-Gov. H. C. Warmouth, New Orleans; H. F. De Bardeleben, Birmingham, Ala.; W. Robertson, Denver, Col.; W. H. H. Green, Seattle, Wash.; John Wilkes, Charlotte, N. C.; Thos. Somerville, Washington, D. C.; Colonel Fairbanks, St. Johnsbury, Vt.; John R. Linden, Rock Hill, S. C.; John A. Lewis, Meridian, Miss.; W. B. Scott, Wheeling, W. Va.; Geo. Sellers, Wilmington, Del.; Fred'k Lewis, Bartow, Fla.

During the convention a speech was delivered by ex-Governor Foraker, of Ohio, on Reciprocity. The delegates were most handsomely entertained by the manufacturers of Cincinnati.

F. T. Blish will open a new Hardware store at South Manchester, Conn., with a complete line of builders' Hardware, mechanics' tools, cutlery, sporting goods, agricultural implements, seeds, etc.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, whic hwill appear immediately.

Buffalo Cycle Co.

The Buffalo Cycle Co., of Buffalo, N. Y. (formerly Buffalo Tricycle Co.), are placing on the market their Envoy and Fleetwing wheels for 1895, illustrations of which are



FIG. 1 – THE ENVOY.

here shown. These goods consist of 26 inch and 28 inch sizes in each style, listing at $60 and $75 respectively—Envoy, 28 inches, weighing. 23 pounds, and Fleetwing, 28

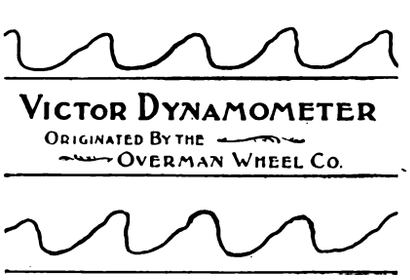


FIG. 2.—THE FLEETWING.

inches, 26 pounds. Smaller sizes are proportionately less. These wheels the makers guarantee as "absolutely high grade and perfect in every detail."

Victor Dynamometer.

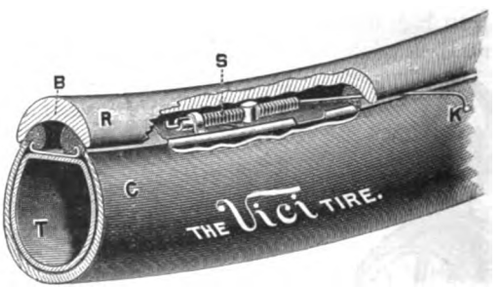
The Overman Wheel Co., Chicopee Falls, Mass., are offering a device known as the Victor Dynamometer, illustration of which is here shown. This device is an instrument for measuring the exact power required to propel a bicycle. The company say that they "have concentrated their attention upon those features of construction which bear directly upon draft. This led to the invention of a device for accurately testing the expenditure of energy used in propelling the bicycle. The result of this is the Victor Dynamometer, and by means of this device the



Overman Wheel Co. long ago ceased to guess concerning all those features which bear upon this vital question. By means of the delicate recording apparatus of the Dynamometer, we are enabled to determine the amount of power required to drive bicycles in all the various styles and equipments with which they may be constructed. Thus, while some manufacturers are making rear sprockets with 5, 6, 7, 8 or 9 teeth, according to the fancy or caprice of riders, we know the exact difference in power required to propel machines varying in this particular feature, and build our bicycles accordingly. The introduction of this testing machine marks an epoch in bicycle making. It has enabled us to build a bicycle wherein skill is substituted for guessing."

Vici Locking Tire.

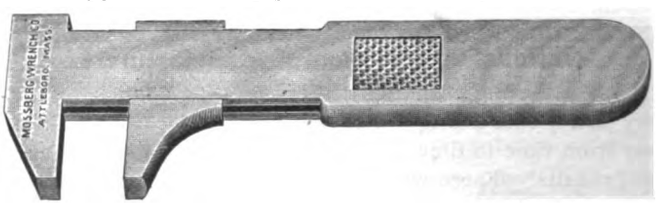
The Boston Woven Hose & Rubber Co., Boston, Mass., are offering the trade the Vici Locking Tire. This tire consists of an outer cover, an endless air-tube and a clamping band, which secures the cover to the rim. The manufacturers state the band B (see illustration) is made of very



thin cold-colled steel, with folded and turned edges, which engage the hook-shaped beads on the cover, about one-eighth of an inch below the edge of the rim. The band extends entirely around the wheel, forming a level, smooth seat for the air-tube; its ends overlap each other, and are connected together by the screw-device S, operated by the key K, shown in cut. Turning the key, K, to the right tightens the band. Turning it to the left loosens it. When the tire is all on, the key, K, is pushed under the cover, concealing all but the rounded end of key K, and leaving the tire so securely fastened to the rim that it cannot creep or be pulled off the rim even when deflated. Pulling the key, K, out, and turning it to the left a few times, loosens the band so that the cover may be removed altogether, or a portion of the air-tube exposed for repairs.

Mossberg Bicycle Wrench.

The Mossberg Wrench Co., Attleboro, Mass., are placing upon the market a Bicycle Wrench, illustration of which is here given. It is stated by the company that this wrench is expressly designed for the '95 Cycle, and can be carried in the upper coat or hip pocket without any inconvenience



—a feature of no small importance, as many of the bicyclers at the present time carry no tool bag. It is made from spring steel, hardened and tempered in oil. It weighs 4 ounces, and comes in black and nickel.

A bicycle to seat three persons is coming into use in Boston and the suburbs. It is well shaped, each of the three riders doing his work. It is, however, well calculated to breed "family quarrels," "two being company and three a crowd." The rider on the front seat is, however, bound to come out first.

The main building of the Hatch Cutlery Works, South Milwaukee, Wis., was destroyed by fire January 23rd. The loss is estimated between $13,000 and $14,000, fully covered by insurance.

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Hardware Dinner of 1895.

THE ANNUAL GATHERING A SUCCESS IN ALL RESPECTS.

THE HARDWAREMEN AND THEIR GUESTS GATHER AT SHERRY'S IN LARGE NUMBERS, AND PASS AN EVENING OF UNALLOYED PLEASURE.—ABLE AND WITTY SPEECHES FROM MEN WELL KNOWN IN THE TRADE.—THE ADDRESSES IN FULL.—LIST OF GUESTS, ETC.

The Annual Hardware Dinner of 1895, which was given at Sherry's, Fifth Avenue and Thirty-seventh Street, New York, on the evening of Thursday, January 31st, was in all respects a success, and a fitting continuation of the custom so happily inaugurated in 1892. The attendance was large, and the evening proved to be one of rare pleasure and profit to all whom circumstances permitted to be present.

When the time had arrived for taking steps toward holding this Dinner, the matter was taken in hand by the Board of Governors of the New York Hardware Club, who decided that, as heretofore, it should be a trade dinner as distinguished from a dinner of the Club, and Sherry's was again selected so that the routine arrangements of the club rooms should not be interfered with. The president of the Club appointed the following gentlemen as a general committee having the matter in hand:

DINNER COMMITTEE:

Alfred D. Clinch, *Chairman.*

Eugene Bissell,	Edward C. Van Glahn,
Brace Hayden,	John L. Varick,
James H. Kennedy,	Webster R. Walkley,
Peter McCartee,	Richard R. Williams,

William H. Williams, Ex-officio.

The selection of Alfred D. Clinch for chairman, which was of course a foregone conclusion in view of his magnificent work in connection with previous dinners, was a guarantee that everything would be carried forward in a most admirable manner, and certainly the thanks of the trade generally are again due Mr. Clinch for his ability, industry, and genius for management, in promoting so far as lay within the power of one man, the success of this great social event. The president of the club, William H. Williams, and the other associates of Mr. Clinch upon the committee, did everything in their power to aid in this work. The chairman of the reception committee, Peter McCartee, who is also a member of the board of governors, was very judicious in the selection of the reception committee to assist him in receiving the guests, and when the members of the trade and their guests assembled at Sherry's on the night of the dinner, they found the chairman and his associates on hand to receive them. The gentlemen associated with Mr. McCartee in this work are as follows:

RECEPTION COMMITTEE:

Peter McCartee, *Chairman.*

Robert Sickels,	James D. Foot,
George J. Laighton,	Frank J. Oliver,
T. J. Atkins,	Terence F. Curley,

W. A. Hungerford.

The evening was one of great pleasure, and certainly of no little profit to all who were there. The arrangements of the tables, and the names of the gentlemen who sat in the various seats at the same, will be found in the accompanying diagrams. The menu was first-class in every respect, and the programme for the literary exercises of the evening had been arranged with considerable skill; and it is but just to say that seldom are the same number of speakers of exceptional ability and powers of entertainment, gathered together under one roof, upon an occasion like this. The speeches were full of sense and wit, and we make no apology whatever for reproducing them in full. One feature of special interest was the appearance of Recorder Goff, whose reception at the hands of the diners certainly showed him that he had found secure lodgment in the affection and respect of his fellow citizens.

The company began to gather at six o'clock, and at a few minutes after seven, the doors of the dining-room hall were thrown open, and each diner was guided to his place by a diagram which had been thoughtfully prepared and distributed throughout the company. As each reached his place he found a handsome little volume containing the menu, order of toasts, location of guests, etc., provided by the generous courtesy of the *Iron Age*. These served not only the useful purpose above indicated, but were also carried away and preserved as souvenirs of the occasion, the more especially as upon each copy was engraved in silver letters the name of the recipient in full. Blank spaces were left in these little books for autographs, and one of the most attractive features of the evening was the skirmishing about for the purpose of securing names, especially those of the most distinguished among the guests, Mr. Goff in particular being at one time surrounded by a small multitude, anxious to have his name upon their lists.

William H. Williams, president of the Hardware Club, had been selected by the committee to preside, and sat at the centre of the guests' table. The gentlemen who honored the occasion by their presence at the heads of the various tables were as follows: E. Bissell, table A; Peter McCartee, table B; Alfred D. Clinch, table C; J. Leonard Varick, table D, and Edward C. Van Glahn, table E.

When the gentlemen had reached their places, each stood beside his chair, while the president and members of the committee, as an escort to the speakers and other guests of honor, marched into the room, two by two, and around to the raised dais at the end of the hall. They were greeted by a round of applause.

When all were in their places the Rev. Dr. Sanders invoked divine blessing, after which all were seated and cordially addressed themselves to one of the main features of the evening, which is best described by the following *menu:*

MENU.

Blue Points.
Consomme de Tortue.
Vol-au-Vent a la Reine.
Saumon Hollandaise.
Fillet de Bœuf Brabant.
Terrapin.

SORBET.

Ruddy Duck.
Hominy.

GLACE.

Pudding Neselrode.
Gateaux. Bonbons.
Fromage.
Cafe.

During the dinner a band in the gallery discoursed inspiring music, and more than once during the evening, when some familiar strain was heard, the whole audience joined in the suggested song. The tables wore beautifully decorated with great banks of American Beauty roses, while the front of the guests' table was adorned with smilax.

One pleasing incident occurred in course of the dinner when Recorder Goff, who had been belated, was seen to take his place upon the platform. Cries of "Goff!" "Goff!" were heard upon all sides. Some one cried out, "Three cheers!" and they were given with a will. Some one else cried "Tiger!"

A storm of answers came: "No tiger! no tiger!" and the wave of laughter that rolled over the house showed that the point had been taken.

When the first order of the evening was amply justified, the hour of 9:15 had been reached, and the time arrived for

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the second part, the character of which is outlined by the following:

TOASTS.

1. GREETING, - - - - - - William H. Williams, President New York Hardware Club.
2. TOOLS, - - - - - - - - - David Williams.
3. PRINCIPLE IN POLITICS, - Hon. Charles A. Schieren. Mayor of Brooklyn.
4. BASS SOLO, - - - - - - Ericsson F. Bushnell.
5. A BROOKLYN VIEW OF THE GREATER NEW YORK, Timothy L. Woodruff.
6. A FRIEND FROM CLEVELAND, - - Stewart H. Chisholm.
7. SWORDS AND PLOWSHARES, - Rev. Henry M. Sanders, D.D.
8. IRON IN THE PUBLIC PRESS, - - - Andrew McLean.
9. BASS SOLO, - - - - - - - Ericsson F. Bushnell.

President Williams arose and called the company to order. He then made the opening address, as follows:

A "GREETING" BY PRESIDENT W. H. WILLIAMS.

Guests, Members of the Hardware and related trades, and friends: The chairman, on an occasion like this, occupies a position somewhat analogous to that of the headlight of a locomotive. When you see him you know there's something coming. Although for the time being he is a sort of central luminary, comparatively, he is of little consequence. To pursue the analogy a little farther: when you have escaped from the intrusive stare of the headlight, it ceases to cut any figure at all in your environment, and your interest quickly becomes focused on the propelling mechanism, and on the train which follows.

The "propelling mechanism" to-night—so brilliantly represented by members and friends—is the New York Hardware Club, and the passengers whom it is piloting into realms of eternal fame are the gifted orators, most of whose names adorn the unique and handsome cards which have been placed in your hands by an incomparable Dinner Committee.

With this introduction, a well regulated headlight endowed with an ordinary amount of modesty, might be content to pass on into darkness and silence, and leave you to the uninterrupted enjoyment of the published programme; but, though I promised the Dinner Committee, in consideration of the privilege and distinction of being permitted to preside at this festive board, that I would not inflict a speech upon an innocent and unoffending company, the temptation to say a few words by way of salutation is irresistible.

You have met under the auspices of a Club which owes its existence, as you will remember, to a similar gathering in this very hall three years ago; and as president of the Club, it is my privilege to welcome you to-night most cordially and fraternally, and to give you the assurance that the child which you then started on life's troublous journey, has already reached mature powers, and enjoys the felicity of knowing that it is accomplishing its mission to the general satisfaction of its parents and friends, along lines of usefulness and under conditions of prosperity which promise for it a career of more than ordinary longevity. The meetings which you inaugurated three years ago have had an influence in stimulating similar gatherings in other parts of the country, until now the annual dinners and conventions of Hardwaremen are among the important features of our business life.

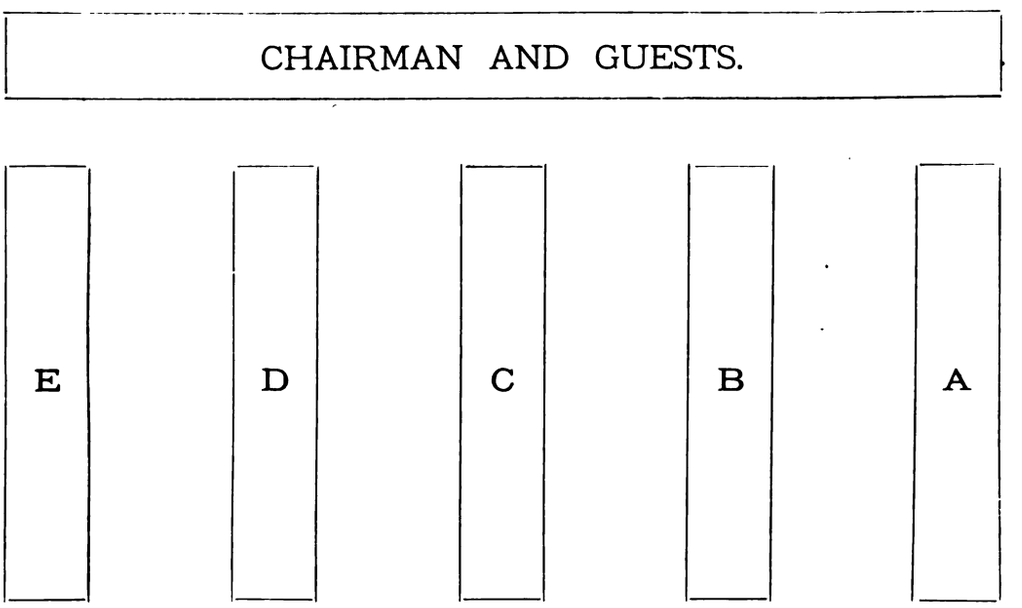
We read that in the early progress and development of the Guilds of Europe they became the "bulwarks of the citizens' liberty," and that in the thirteenth, fourteenth and fifteenth centuries they not only possessed considerable influence, but were a counterbalance against the powers of the feudal barons and nobles. That a like influence may flow from these associations of ours, is not, I trust, too much to hope. I need not dwell upon their social aspects. It is a good and pleasant thing to meet, around the social table, those whom we know and esteem in business, and it is hardly less a good or a pleasant thing to meet those whom we do not know but who are worthy of our esteem, under the same agreeable circumstances.

Nor is the business importance of such meetings to be lost sight of or ignored. If these gatherings of those engaged in the same line of business can be so utilized through their friendly and their social features, that they will tend to obtain for capital a better and a fairer return, then indeed will your labors receive a double reward.

It is natural on an occasion like this when good cheer reigns and kindly feelings predominate, that we should take an optimistic view of things in general.

Happily, the signs of the times permit us to regard the future with hopefulness, if once the financial clouds which at present hover over us shall be, as we trust they soon will be, dispelled. Surely there ought to be wisdom enough in the chosen legislators who shape our national affairs, to solve the present financial problems, without endangering the return to prosperity which we all believe is coming in the near future. Certain we are that the superb energies of this people cannot long remain inactive, and only monumental cussedness on the part of Congress and the Executive can long defer the return of brighter and happier times!

The president then continued: It has become one of the



ARRANGEMENT OF THE TABLES.

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regrets of my life that I am denied the honor of claiming relationship with the next speaker, but I find some compensation in the fact that he is my fellow member in this Club, and also that I am permitted to enjoy his personal friendship. Among the many friends of our Club we have none more steadfast than David Williams.

The publisher of the *Iron Age* then spoke as follows:

DAVID WILLIAMS ON "TOOLS."

MR. PRESIDENT AND GENTLEMEN: It would be a pleasure and an honor for any one to address a company like this, which is so pre-eminently what the newspapers delight to term a large and representative gathering of the leading members of the trade. You may imagine how much more this is true of a man who passes his life surrounded by editors and writers constantly giving public expression to their views and feelings, while he, a mere publisher, has no opportunity of saying anything. The lawyers say that every man is entitled to his day in court, and it may be for some such reason the committee in charge of this dinner took pity on me.

Looking back but three years, we see the first Hardware dinner held in our time, if I may use the expression. That dinner marks an epoch. Before that there had been in the trade for thirty years no social life and no opportunity for friendly intercourse, except as men met casually in the hurry of business. Now all is changed: a great part of the Hardware trade revolves round the Hardware Club, where its members meet and pass some of the most pleasant moments of the day. I am glad of this opportunity of saying a word of appreciation and thanks to those to whom this result is due—its officers and governors. We all know with what magnificent success their efforts have been crowned, and most of us appreciate how wise, patient and unselfish have been their labors.

Mr. President, with your permission, I desire to propose the following resolution:

Resolved, That the Hardware trade, gathered at their sixth annual dinner at Sherry's, January 31, 1895, tender to the officers and governors of the Hardware Club their high appreciation and their hearty thanks for the wise, self-sacrificing and eminently able manner in which, avoiding all mistakes and overcoming all difficulties, they have accomplished the task of establishing a club in a trade until then without social organization, and of equipping and managing a club-house so perfectly adapted to its purpose and so worthy of the great trade of whose daily life it has become so large a part.

As our president has stated, he is a modest man, and his name shows he comes of a modest family. I, therefore, under the circumstances, will take the liberty of putting this question to a vote.

The question was then put by Mr. Williams, and the resolution unanimously adopted.

The speaker then continued: Man has been wisely spoken of as the only tool-making animal. In fact, tools lie at the basis of all we have and most of what we are. If you turn to the Mosaic account of the creation, you will find that the only duty or command imposed on our first parents, besides a certain restriction in regard to fruit, was to replenish the earth and subdue it, and rule over their animal fellow creatures. For the replenishment of the earth no special tools were needed, and that work was pretty well done from the beginning. The subjugation of the earth and dominion over the brute creation was a different matter. Scarce any animal so unfortunate as not to be better off than a naked man without tools, clothes or a home. The beaver, with his broad, flat tail and sharp teeth, gnawed down trees and made his lakes and villages; the bird made its nest; the rabbits burrowed in the ground then exactly as they do now. The animals have stood still; without tools progress was impossible, while man went on inventing and improving until he provided himself with all the comforts of civilization. About four hundred years ago the greatest tool ever invented came into use—the printing press, which has changed the whole condition of man and opened wide the door of progress. It has been the means of developing and making accurate and useful all the sciences which have resulted in the great discoveries, inventions, arts and industrial developments which characterize these last days of the nineteenth century.

We have dug into the ground deeper than ever man has been before and brought up new metals and made fresh combinations of the old. We have built up into the air twice as high as ever man built before. We navigate the ocean in swift express hotels and seem to be upon the point of soaring in the air on wings. We spin over the earth on our light bicycle faster than man was ever carried by the fleetest steed. Our iron horses draw us and our merchandise on iron roads that spanning rivers, crossing plains and tunneling under mountains, traverse a continent. Our electric wires annihilate distance and enable one in New York to hear the pulse-beat of his fellow in Chicago.

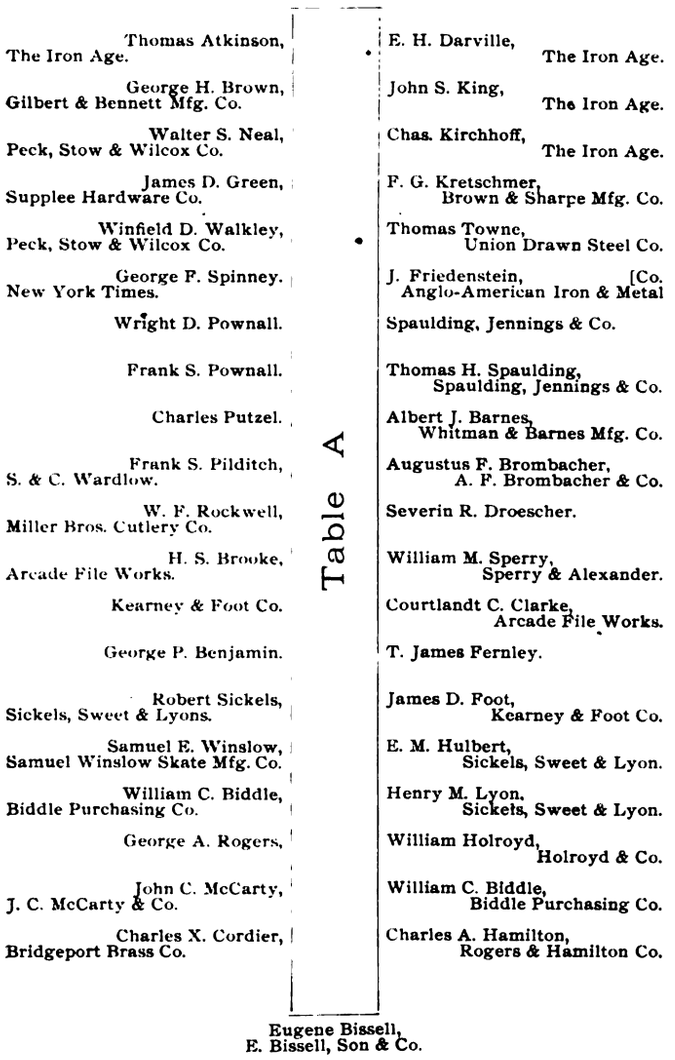
But the highest form of tools are not those that shape wood and metal, but those that fashion man;—the institutions of civilization by which society accomplishes the objects of government, education and progress. Armies, navies, political parties, schools, legislatures and courts are parts of what is commonly called the machinery of government. In our own case, the forefathers devised a governmental machine, the most perfect that has ever been established. In the lapse of years the National Government has shown its power to bear the strain of foreign war and domestic strife, and its fitness to extend across a continent and stretch its protecting arm over seventy millions of free people. Our State and local governments, too, have proved themselves equal to any emergency and able to overcome any difficulty provided they have common care and attention. They can survive anything but folly and indifference and laziness on the part of those running them.

CHAIRMAN AND GUESTS.

James H. Kennedy.
Thomas F. Keating.
Archibald Paull Mitchell.
Ericsson F. Bushnell.
Timothy L. Woodruff.
Mortimer C. Ogden.
Thomas J. Atkins.
Stewart H. Chisholm.
Hon. John W. Goff.
Wm. H. Williams, *President.*
Rev. Henry M. Sanders, D.D.
Austen B. Fletcher.
David Williams.
Brace Hayden.
Andrew McLean.
Webster R. Walkley.
Oakes A. Ames.
George H. Sargent.
Arthur G. Sherman.
Richard R. Williams.

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I do not think we ought to boast over-much of our management of this great machine. We have neglected it for years and then in a spasm of virtue we have risen in our might and overturned many things, and some of us feel as if the work of reform had been accomplished. Ah, no! the destruction of the bad is only the beginning of the work. The more tedious, difficult and vastly more important task of building up the good remains still to be done. A mob can destroy anything—a paroxysm of passing popular excitement can overturn a party, but to secure good government in the place of bad, requires the long, persistent and laborious effort of a whole community. It is unfortunate that the qualities in public men that serve to rouse a people to revolt, are not those that are needed in the more difficult period of construction that must follow after the rascals have been turned out. In great popular uprisings it hardly ever occurs that the men who have been most impetuous in the attack on wrong entrenched in power, have been found



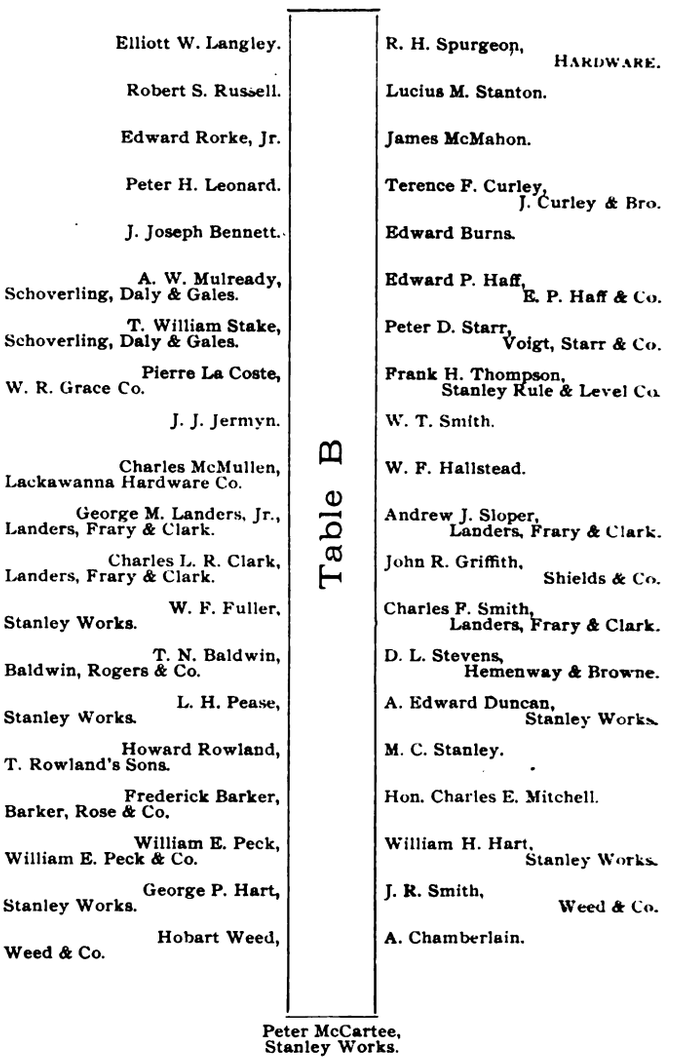
the best to take charge of the *reformation* that should follow, and thus it often happens that men whom a community have delighted to reward with posts of honor and responsibility, have proved unfit. In periods of excitement the public eye is taken by those who make themselves conspicuous simply by their vehemence, and lack of wise and conscientious reserve. It is childish to expect that such men, when placed in positions of responsibility, requiring exactly the opposite qualities to those they have always shown, will change their nature. The intrepid leaders of the mob which captured the Bastile made awful despots when placed in power by their enthusiastic followers, who overlooked the wise and careful men who might have guided France into the ways of peace.

Law and order is not a matter of laws and orders, but of obedience, and personal character and public sentiment. True reform must come from the quickening of the public conscience, with a determination on the part of each to pluck out the beam from his own eye before sending a policeman to extract the mote from his neighbor's with a club.

Do not think from what I have said that I despair of reform and progress. On the contrary, I see in every uprising of the people a wave that swells as in a rising tide higher than the preceding, and after it subsides, leaves the level higher than before. In the education and elevation of the masses, in the amelioration of morals, manners and modes of life, and the growing freedom of government everywhere, in the advancement of the arts and sciences, and in the wonderful progress we are making in the control of natural forces and the utilization of natural resources, we may see the promise of the day when man with the mastery of himself shall at length have achieved the subjugation of the earth.

MORE CHEERS FOR MR. GOFF.

President Williams then said: The Mayor of Brooklyn



writes me, and tells me personally in an interview, that owing to the great strain upon him during the past few weeks, so much of his time has been occupied that he is unable to be present with us to-night. As an offset to that I have the pleasure of telling you—I am not going to call upon him just now—that a distinguished gentleman of New York was invited to be present at this banquet. He could not tell us in time to permit the use of his name that it would suit his convenience to be here to-night, but to-day he informed us that he would be glad to be here, and we have with us to-night, Mr. Goff. [Cheers and applause.]

The President then continued: I have here several letters of regret from gentlemen well known to all of you—the president of the New England Hardware Dealers' Association, Samuel H. Thompson; the president of the Heavy Hardware Jobbers' Association, S. D. Kimbark, and the president of the New England Jobbers' Assooiation, Ed-

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win L. Haley. I have also one letter which I desire to read, from a gentleman who occupies the most influential position in the Hardware trade in this country; who has for several years been honored by being elected to the presidency of the local association with which he is connected, and who has recently been honored by an election to the presidency of the newly-formed National Jobbers' Association, our esteemed, and I will add much loved friend, Mr. William W. Supplee [applause], who writes:

MR. SUPPLEE'S LETTER.

Supplee Hardware Co., Philadelphia, Jan. —, 1895.

Dear Sir: Your letter extending an invitation to be present at the next Annual Dinner of the New York Hardware Club, January 31st, and at the same time asking me to favor the club with some remarks on that occasion, was answered January 13th, asking to defer a positive answer for a few days, giving my reasons for the request.

I now regret to say it will be impossible for me to be present. There are two important engagemants from which I cannot be excused. No one can possibly regret more than myself my inability to be present.

Extending beyond the pleasure of meeting old acquaintances and friends, and beyond the personal enjoyment of the occasion, stands pre-eminent a duty as president of the National Hardware Association of the United States, and as president of the Hardware Merchants' & Manufacturers' Association of Philadelphia. This, coupled with the desire to do all in my power to promote more friendly, social and business relations between the trade, renders the regret that I am now obliged to tender—more difficult to write. With kind regards, I am, yours truly,

WILLIAM W. SUPPLEE.

IN HONOR OF MAHLON J. WOODRUFF.

The presiding officer continued: I have also a letter of which I find it difficult to make a proper presentation to you, because of the emotion it awakens in me, and which it will arouse, I know, in you. It is a letter from a business associate of a gentleman whose name appears upon the list of guests here seated upon this platform. He writes that owing to the very serious illness of his associate he is unable to be present. The gentleman to whom I refer is our very esteemed friend, Mahlon J. Woodruff. He is now lying upon a bed of illness. I ask you to join me in drinking to his recovery, with the fervent wish, which I know is now in the breast of every member of this company, that we may soon see him in his accustomed place.

The toast was drunk in silence, the entire company standing.

The next number upon the programme, a bass solo by Ericsson F. Bushnell, was received with unmistakable marks of favor. It was "The Friar of Orders Gray;" and it is needless to say that it was presented in a magnificent manner. In response to the continued demands for an encore, Mr. Bushnell gave, by special request, the old German drinking song, "Down Deep Within a Cellar."

In presenting Timothy L. Woodruff, of the Maltine Co., New York, but a resident of Brooklyn, who was down for response to the toast, "A Brooklyn View of the Greater New York," the toastmaster introduced him as "A fellow member and a Brooklynite, who illustrates, in his own charming personality, some of the advantages that would accrue to New York by a union with Brooklyn."

Mr. Woodruff spoke as follows:

MR. WOODRUFF ON "THE GREATER NEW YORK."

MR. PRESIDENT AND GENTLEMEN: Notwithstanding the fact that I have partaken of a most excellent dinner, and have appropriated my share of the concomitants we all enjoy so much, the question with me is not "Where am I at?" but "Why am I here?"

I am neither a manufacturer nor a handler of Hardware;

Table C

The Iron Age.
George N. Jacobi, Reading Hardware Co.

The Iron Age.
Frederick L. Stellwagen, Reading Hardware Co.

W. J. Johnston, The Electrical World.
Smith, Lyon & Field.

L. C. Dawes, The Metal Worker.
Charles P. Sherwood.

C. C. Taintor, The Iron Age.
Horace L. Balch.

J. E. Smith, Simmons Hardware Co.
Henry B. Plumb, Eagle Lock Co.

William E. Gard, Meriden Bronze Co.
Lorenzo Bepedict, Maltine Mfg. Co.

Charles C. Heuman, Maltine Mfg. Co.
Allen S. Apgar, Merchants' Ex. National Bank.

Rodney A. Ward, Maltine Mfg. Co.
Henry R. Towne, Yale & Towne Mfg. Co.

William F. Donovan, Yale & Towne Mfg. Co.
George J. Leighton, Russell & Erwin Mfg. Co.

Olney Arnold, II American Screw Co.
Charles L. Mead, Stanley Rule & Level Co.

William G. Smyth, Russell & Erwin Mfg. Co.
Samuel A. Haines, Samuel A. Haines Co.

John S. Haselton, Rome Brass & Copper Co.
Edward W. Morley, Morley Bros.

Harry C. Marshall.
John J. Teeple, [Co. Van Wagoner & Williams Hdw.

William Hilton Williams, Jr., VanWagoner & Williams HdwCo
George W. Van Tine, [Co. Van Wagoner & Williams Hdw.

Christian T. Stork, VanWagoner & Williams HdwCo
Wm. T. Norton, American Axe & Tool Co.

George F. Wiepert, Sargent & Co.
Stephen Nicholson, Nicholson File Co.

William H. Chappel.
Edgar Underhill, Underhill, Clinch & Co.

William W. Glover, Underhill, Clinch & Co.
Henry L. Coe.

George Munson, Sargent & Co.
Samuel M. Nicholson, Nicholson File Co.

Alfred D. Clinch, Underhill, Clinch & Co.

Table D

D. F. Maltby, Maltby, Henley & Co.
Daniel T. Mallett, Hardware Dealer.

William J. Henley, Maltby, Henley & Co.
Edmund A. Parker.

George M. Kirkpatrick, W. H. Crossman & Bro.
Richard L. Walker, Ocean Steamship Co.

James W. Smith, W. H. Crossman & Bro.
Peter Moller.

Herbert C. Ellis, W. H. Crossman & Bro.
Herman Bielefeldt, Hammacher & Delius.

Walter M. Taussig, Wiebusch & Hilger,
William R. McCullough, [Co. Turner, Day & Woolworth Mfg.

Charles F. Wiebusch, Wiebusch & Hilger.
Edward A. Cockrane, Tower & Lyon.

Ira Miller, United States Whip Co.
William H. Cole, Tower & Lyon.

William J. Cassard, American Whip Co.
Rufus L. Woodrough, Woodrough & Hanchett Co.

John J. Halpin, Smith & Egge Mfg. Co.
John B. Roache, [Co. Brooklyn Hdw. & Sport'g Goods

William M. Tobias, The Union Nut & Bolt Co.
Herbert H. Woodrough, [Co. Brooklyn Hdw. & Sport'g Goods

Irving S. Ventres, The Union Nut & Bolt Co.
The Union Nut & Bolt Co.

Joseph F. Gleason, The Union Nut & Bolt Co.
William Schwarzwaelder, The Union Nut & Bolt Co.

S. J. Johnson, The Union Nut & Bolt Co.
L. L. Ensworth, The Union Nut & Bolt Co.

Charles K. Paddock, Paddock & Kleine.
Thaddeus Smith, The Union Nut & Bolt Co.

L. C. Way, The Union Nut & Bolt Co.
C. C. Lewis, The Union Nut & Bolt Co.

John B. Clapp, The Union Nut & Bolt Co.
L. S. Miller, The Union Nut & Bolt Co.

James C. Peabody, The Union Nut & Bolt Co.
E. P. Stoughton, Millers Falls Co.

E. B. Sheffer, The Union Nut & Bolt Co.
George E. Rogers, Millers Falls Co.

J. Leonard Varick, The Union Nut & Bolt Co.

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I am not an after-dinner speaker by profession, nor do I reside in the city of New York. The first of these three conditions may readily pass as a sufficient reason for the last, and clearly explains why I live, as the toast assigned me would indicate, in Brooklyn. For there, in every respect save taxes and the cost of a burial plot in Greenwood, all the economics and virtues of life are daily practiced—even involuntarily, for there are no opportunities: no temptations. Indeed we have had to save our car fares recently at the expense of a large increase in taxes, to defray the cost of teaching us how to be still more economical.

How fortunate for us that we have an economical and wise administration, and how hard it must bear upon the mayor and his commissioners to have to spend the money, so carefully saved for ***improvements***, to protect property from ***destruction***. Great credit is due Mayor Schieren for the unusual efforts he made to bring about peace, and failing therein to restore order and suppress violence.

Table E

George B. McCarty, J. C. McCarty & Co.
J. A. H. Dressel, Union Metallic Cartridge Co.
William J. Bruff, Hartley & Graham.
Augustus Gaylord.
George H. Chatillon, John Chatillon & Sons.
Edward C. Schaefer, John Chatillon & Sons.
L. A. Tranberg, John Chatillon & Sons.
George H. Ismon, Salem Wire Nail Co.
Frank Baackes, Salem Wire Nail Co.
John P. Murta, Murta, Appleton & Co.
George W. Field, Charles J. Field.
C. A. Hoagland, John H. Graham & Co.
E. B. Pike, Pike Mfg. Co.
W. S. McKinney, McKinney Mfg. Co.
George A. Graham, John H. Graham & Co.
J. L. B. Holme, John H. Graham & Co.
James Nicolson, White, Van Glahn & Co.
William R. Hill, Mallory Wheeler Co.
Bernard H. Eidel, White, Van Glahn & Co.
Edward W. Kilpatrick, White, Van Glahn & Co.

Henry T. Seymour, Henry Seymour Cutlery Co.
Charles J. Godfrey.
Benjamin S. Lovell, John P. Lovell Arms Co.
Francis B. Griffin, C. E. Jennings Co.
George C. Schaefer, John Chatillon & Sons.
William H. Klenke, John Chatillon & Sons.
Louis Schreiber, John Chatillon & Sons.
F. William Hallock, F. Hallock & Co.
C. Arthur Baynon, Woolley & Baynon Co.
Elbert W. Fitch, Norwalk Lock Co.
Frank S. Cowles, Norwalk Lock Co.
Andrew W. Milligan, Miller, Sloss & Scott.
Frank J. Oliver, Oliver Bros.
Ralph H. North, North Bros. Mfg. Co.
William A. Graham, John H. Graham & Co.
Frederick B. Earle, National Saw Co.
William H. Eidel, White, Van Glahn & Co.
George B. Millard, White, Van Glahn & Co.
Herbert E. Smith, White, Van Glahn & Co.
George B. McEntyre, White, Van Glahn & Co.

Edward C. Van Glahn, White, Van Glahn & Co.

As I have said, I am not in the Hardware business. I am, therefore, not even privileged in addressing you to use the pronoun "we." In this place, a few evenings ago, General Porter said in an address to a meeting of editors that there were only three states of man when the pronoun "we" was permissable—a crowned head, an editor, and the man with a tape worm. Under these circumstances, I should have politely declined your committee's very kind invitation to respond to a toast this evening, had I not reflected that it would afford me a chance to express, in behalf of many others as well as myself who are not Hardwaremen, our sincere appreciation of the opportunity offered by the Hardware Club to spend the mid-day hour and partake of the mid-day meal amid surroundings which are unexceptional, and in company which is altogether delightful.

One strong and substantial personality constitutes a link between the Hardware Club and Hardware trade of New York, and the settlement to which I have referred across the river, where you can ride in a trolley car all by yourself, with a policeman on each side of you, all for five cents, and bricks thrown in. You at present command his energies and his devotion, but we, in Brooklyn, by tendering him all the honors from club presidencies to the chief magistracy of the city, have put him under such a heap of obligation that he must respond favorably to our call when his duties as your president are performed, and then devote some of his splendid abilities to our interests.

But I revert to my toast, as the time I feel at liberty to occupy this evening must be short indeed. "A Brooklyn View of the Greater New York."

Now, little was known of Brooklyn by New Yorkers till it became noised about that Father Knickerbocker was mashed on her: so little, indeed, that the best information a very well-informed citizen of New York could give his inquiring friend concerning its location was: "Why, don't you remember, it is that station we passed en route to Coney Island." I think this, however, was before the Bridge was opened, for then it became quite the thing for New Yorkers to wander out on the promenade just once,



TIMOTHY L. WOODRUFF.

you know, to see where Steve Brodie jumped from, or to discover how a cable car was run without horses; but I never heard of one of these investigators who ever succeeded in finding his way unassisted from the ill-conditioned terminus at the other end, into the city this magnificent highway was intended to penetrate.

Had he done so, and gone about among its people, and it was safe to go about then, before the trollies commenced their career of destruction to life and limb, or before the violent strikers took forcible possession of the town, he would have found, if not public spirit and civic pride and the radical progressiveness of the age, at least a remarkably homogenous, home-loving and conservative citizenship.

Brooklyn's characteristics have always been of a slow-to-action, retiring nature, partaking much of the characteristics which constitute the chief attractiveness of the gentler sex, and it is, therefore, not to be wondered at that Father Knickerbocker, won by these gracious qualities, became ardent in his wooing, or that Brooklyn, true to the instincts of her sex, met his advances coyly and with some apparent hesitation.

The press of New York has shouted loudly in behalf of

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the suit of Old Knickerbocker, while the press of Brooklyn, in behalf of the timid maiden, has inveighed softly but determinedly against an anticipated elopement. It is, however, shrewdly suspected among the friends of these high contracting parties, that the attitude of the Brooklyn press is actuated by a fear that the consummation of this marriage will deprive its owners and its editors of the lass' smiles and favors which they are now sordidly converting into unsentimental cash.

Brooklyn has repudiated the guardianship of the press. Last November she accepted with firmness, not unmixed, however, with proper reserve, the overtures of New York, and dedicated anew at the ballot box the faith she plighted a dozen years ago, when we celebrated the completion of that grand monument of engineering and constructive skill which demonstrated how easily God's creatures could bring together, over the waters of the earth, the lands which God had ordained on the one side for the habitation, and on the other for the workshop of men.

Two-thirds of the business men who spend their sleeping hours in Brooklyn devote the energies of their waking hours to the material prosperity of New York. Office, store and warehouse rents are vastly increased thereby, and the dependent value of downtown real estate and corporate taxable property is nearly doubled. This explains why New York is far below her debt limit and at liberty to incur obligations for all needed improvements, and it accounts for the fact that on an assessed valuation of fifty per cent. the tax rate is one per cent. less than in Brooklyn, where the debt limit has been already reached and the most imperative needs of the people cannot be heeded.

I pay $7,500 rent for a building in New York on which the city collects annually perhaps $1,000. As the treasury of Brooklyn does not receive one dollar of this sum, it is necessary to tax my house $700, while my friend's house in New York, of equal value, pays an annual tax of $350. Is this fair? No one claims it is equitable, and New York has declared by a majority of 30,000 that she is willing to enter into an adjustment.

Why is public spirit in both of these municipalities at so low an ebb? Plainly because of an unfortunate dissipation of interests. If two-thirds of the residents of one city spend all the *business* hours of the day in the other city, and one-third of the business men of that city spend all of the *domestic* hours of the day in the other city, how can you expect that concentration of force and action which is denominated public spirit?

It is asked: "What is New York to gain to compensate her for an increase of taxes and other added burdens of government?" Does a man usually permit the question of cost of living to interfere with his becoming the head of a family? Why should New York permit a small annual expenditure to cost her the loss of trade and prestige which must inevitably follow relegation from her present proud position as the first of American cities?

> "Trade's proud empire hastes to swift decay;
> Westward the course of empire takes its way."

In closing, I beg to assure Mr. McLean and his colleagues of the Brooklyn press, that there is no fear of an elopement. There will, however, be a duly arranged and properly performed marriage, and there is going to be no divorce. The union is too natural; already "the two hearts beat as one;" the lives commingle, and the great physical arteries that unite them throb with every heart-beat of them both.

It was last fall a case of "The Lady or the Tiger." But the tiger, thank God, is no more. He has been buried, face downward, so that the harder he scratches the sooner he will reach his ultimate destination. And when the lady is asked the final question, "for better or for worse," without a trace of the hesitation she has thus far simulated so admirably, her response will be heard in all the places of the earth, and it will make this the Empire City of the World!

At the conclusion of Mr. Woodruff's address, which was frequently interrupted by cheers and laughter, the presiding officer said: It has been said of the present Democratic Congress that it possesses at least one virtue, though a negative one—it is unequal to the task of carrying out all of its bad intentions. I haven't the remotest idea whether our "friend from Cleveland" is going to sing a song, tell a story or make a speech. He is past-master in each, and does all three equally well; and I have personal knowledge that he is unequal to the task of exhausting his powers of entertainment in one evening. I have pleasure in presenting a prince of good fellows and king among men, Stewart H. Chisholm, of Cleveland.

Mr. Chisholm, the president of the H. P. Nail Co., spoke as follows:

MR. CHISHOLM ON CLEVELAND, OHIO.

Gentlemen: I think that if I had one of John Griffith's punches I could get along better. (Laughter.) The president here this evening started out typifying himself as a



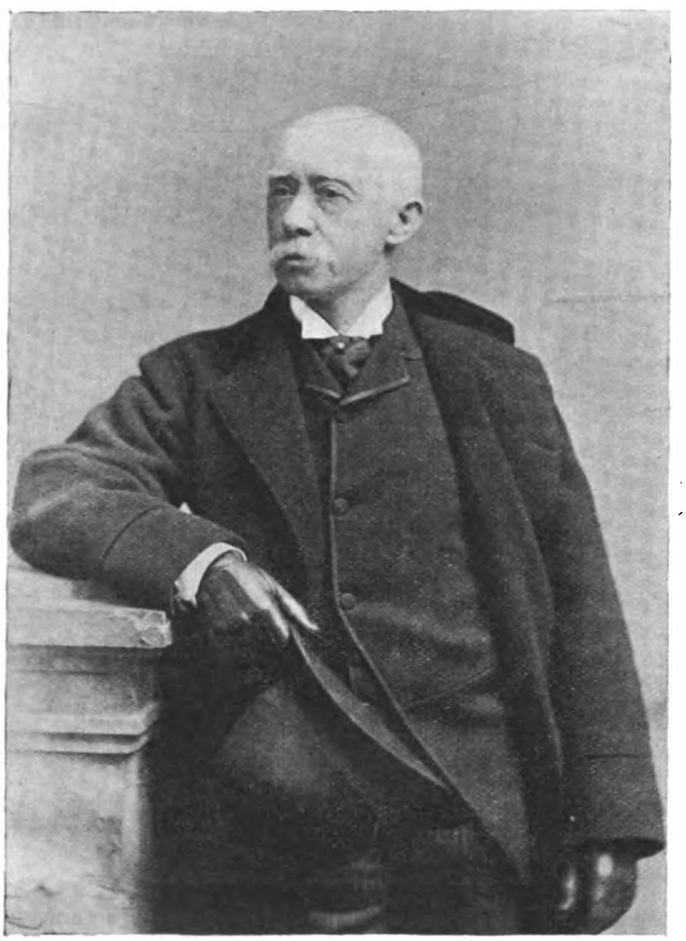
ALFRED D. CLINCH, CHAIRMAN OF DINNER COMMITTEE.

headlight. As I look around upon so many intelligent faces, it makes me feel light-headed. (Laughter.) And as the gentleman who has just preceded me quoted, "*Where am I at?*" I feel, as I look around upon you again, *Where is my hat?* (Laughter.) The president of this Club wrote me some two weeks ago, and gave me a cordial invitation to come to this dinner, and answer to the toast of "A Manufacturer of the West." I immediately replied, and said, "Mr. Williams, I come with the distinct understanding that I will not be called upon to speak." But he is president of your Club, and I ought to have known what little dependence we can place upon presidents these times. (Laughter and applause.) I saw Mr. Williams this afternoon, and he announced to me that he had my name down on the programme to answer to the toast, "A Friend from Cleveland." I did not know. I thought, perhaps, I had better start out and tell you that it is from Cleveland, Ohio. (Laughter.)

I have never in my life made a speech; but I do sometimes tell a story. And to illustrate that condition I will tell a story. It is the custom, or was the custom years ago, in Scotland not to have any musical instrument in the

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church. In fact, it was considered a sin to have an organ or any musical instrument to lead the singing. They had a gentleman who started the hymns after the preacher gave them out, and he was termed the precentor. (But before I go any further I don't want the reporters to take this down, because I tell this every time I speak. I don't want to get this in the papers, because there are still seven or eight people who don't know the story.) Well, the position of the precentor was down before the pulpit, and they had very high pulpits. The parson would give out the hymn, expecting the precentor to start it. The parson gave the hymn; but there was no precentor there. He looked over the top of the pulpit, and saw what was the matter, and then looked around the church, and asked a brother to start it. A brother looked up in the gallery, spied someone, and said, "Well, brother, I canna sing, mesel' but there is Joke White up yonder in the gallery, I dinna ken whether he is a singer or no, but he is as good a whistler as ever cocked



PETER McCARTEE, CHAIRMAN RECEPTION COMMITTEE.

a lip." Well, that's my case. I can't make a speech; but I might tell a story. He could not sing; but he could whistle.

In the words of a French gentleman from Cork, who is a member of your council here, when called upon to speak, "I will say that I certainly flatter myself with this opportunity that ye gies me in tellin' ye what I don't know." (Laughter.) I think it is well for the manufacturer to meet with his customers as the Good Book infers "it is hard to believe not having seen." Now that you have seen me you can bet on what I tell you in reference to our lines. You speak of Cleveland, Mr. Williams—no doubt many of you—speak of Cleveland being in the west. We do not consider it so out there. I presume most of you gentlemen have been to Cleveland. It is a beautiful city. There have been some important men come from Ohio. You have all read that in the papers; and I am pleased to announce to you the fact that all the presidents this Club has ever had were, or are, connected with manufacturing concerns of Cleveland, Ohio. As I said, great men have come from Ohio, and there is one now who, if let alone, will settle the financial policy of this country for the present time in a better way than any person we know of. And, as the little boy said, "He kin, if anybody kin," he did it once and he can do it again—the Hon. John Sherman. (Applause.) For the benefit of some who don't know very much about Cleveland, I have put down here a few statistics, to give you an idea of the extent of the manufacturing in Cleveland. I take this from the census of 1890, and you can judge of the increase since then; at least 100 per cent.

Number of manufacturing establishments, 2,065. Number of hands employed, 53,449. Total wages paid in a year, $30,423,000. Capital invested, $53,974,000. Cost of material, $56,321,000. Value of product, $98,926,000. Railroads centreing in Cleveland operate 5,429 miles. Total tonnage moved from Cleveland in 1893, 4,000,000 tons. There are more ships built in Cleveland than anywhere else in the United States, and only surpassed by the Clyde, in Scotland. In 1860 Cleveland's population was 44,000; today upwards of 360,000, the largest city in Ohio and the tenth city in population in the United States. I will say also for Cleveland that there are facilities for manufacturing the following articles in larger quantities not only than any other city in the United States, but any other city in the whole world, and these are: steel rods, steel wire, steel wire nails—and chewing gum. (Laughter.) We had a meeting of the United States jobbers in Cleveland several weeks ago. A number of them were shown around the different factories there, and they were surprised to find the number of articles which are handled in your business manufactured in Cleveland; and I will run over them: axes, bolts, bars, carriage hardware, dynamite, door-springs, gas-fixtures, hammers, hinges, locks, lead pipe, mechanical rubber goods, mounted grindstones, stoves and ranges, sleigh-runners, sashes, doors and blinds, turn buckles, etc., and many other things that you gentlemen do not handle, too numerous to mention. I think I have told you, in round figures, about Cleveland as well as I can. I wish to extend a hearty welcome to any that come to Cleveland, and the story about the latch-string being always on the outside is current with us.

At the conclusion of Mr. Chisholm's speech, the president arose and introduced Recorder Goff in these words: It is a better New York in which we meet to-night than that in which we held our meeting three years ago, and for this the next speaker is, to a large degree responsible. I wanted him to come here and meet you, because some of you will doubtless come before him in his magisterial capacity, and a personal knowledge that you are not as bad as your crimes might indicate, may help to mitigate the severity of his sentences. Our friend, Recorder Goff.

Mr. Goff was received with cheers and the waiving of napkins, and when the excitement had quieted, spoke as follows:

THE SPEECH OF RECORDER GOFF.

Mr. Chairman and guests, members of the Hardware Club: It was only when somewhat advanced in to-day's hours I was able to determine for a certainty I would have the pleasure of being your guest to-night. I must state now, for fear I should forget it, that it would have been a deplorable misfortune for me had it been otherwise than that I should have been here to-night; and leading somewhat of a busy life for some time back, I have not had any opportunity either to conceive ideas or to collect thoughts on the subject of Hardware. I have been a worker and a student all my life. I have always been sitting at the feet of Gamaliel, picking up knowledge. So I find myself here to-night sitting at the feet of Gamaliel. I find among the things that I must add to my storehouse of information, there is one centual fact strikes me—that if any one had told me the wide range that the Hardware

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Trade has taken, I would not have believed it. I would not, Mr. President, I could not have conceived the wide range of subjects that you have taken in, that you include in what you term euphoniously your related trades, when you start with the Garden of Eden and close with the last speaker, with the manufacturers in Cleveland, Ohio.

So varied has been our entertainment, so interesting have been the discourses, that it would be a futile effort on my part to refer even to them, and, as I told our genial president here to-night, that I could only hope for a word of expression to you from some stray thoughts picked up from the preceding speakers, and I am reminded as I think of my friend who says that he comes from the city of Cleveland, and of our friend from the City of Peace, of what I thought before—how thankful we New Yorkers ought to be that we are even noticed in this remote corner of the world. Our genial friend said there never was a president of this Hardware Club, and never would be a president of this Hardware Club elected that was not or would be not in some way connected with the Hardware trade of Cleveland. Why, gentlemen, I think it is an article of our national faith that there never was a President of the United States, past, present or future, that did not come from Ohio. And I never knew an Ohio man yet that, with all his modesty, with that characteristic humility which we have all learned to appreciate in the past ten or fifteen years, who did not go out into his back yard every morning and put his ear down to the ground and listen for his country's call. So we are glad to hear that, when the sinews of war are being carried from our country in ship loads, there is standing to the front an Ohio man ready to assist us. I am also proud to acknowledge the fact that right here in the city of New York we have been cosmopolitan enough to take an Ohio man and put him at the head of municipal affairs, to help and save our city. And from beautiful Cleveland, upon the shores of Lake Erie, we take a step back to the preceding scholarly and interesting speaker, Mr. Woodruff. I would have liked that, instead of an after-diner speech, it would have been a lecture. I would have liked to have sat for an hour longer listening to Mr. Woodruff, because in his speech there were unfolded the beauties and virtues of Brooklyn on one hand and the hidden vices of New York on the other. Brooklyn, beautiful Brooklyn! Brooklyn, the pure; Brooklyn, the religious; Brooklyn, the silent. Brooklyn will some time, though now standing coyly away, will some time come to the arms of old Father Knickerbocker. Let us live in hopes that that day is not far distant. (Applause.) Our friend Woodruff, in calling us Father Knickerbocker, would shortly lead us to understand that it was a case of December trying to lead May to the nuptial altar. But there is a good deal of youth in Father Knickerbocker yet. I have heard a good deal of discussion about the union between New York and Brooklyn, but upon my word I have never understood its full force before. Father Knickerbocker has sometimes been pretty badly used for his desire to annex the beautiful Brooklyn suburb. Well, I suppose there may be an excuse for that. It may occur to us that New Yorkers are business men, if anything, and that, knowing that most of them will have to rest their weary, worn-out bones sometime in Brooklyn, he would like to take an interest in her real estate while living (laughter) and that in that city of magnificent silence and extensive cemeteries (laughter) he might at least call it his own during life. But that is not the real reason. I find from Mr. Woodruff's keen and humorous satire upon the situation that the real reason is this: I have often wandered about the crowds of men standing about the Brooklyn Bridge since it is in operation and before that at Fulton Ferry. And I have seen crowds of beautiful, well-dressed women coming over to New York, particularly on bargain days. I have seen the eyes of New York following them, and no more charming, no fairer women ever graced God's footstool than the fair ones of Brooklyn. And I would fain ask any Brooklyn editor under these circumstances, Can we New Yorkers be blamed for trying to embrace Brooklyn? (Laughter and applause.) Now, I have heard a great many Brooklyn men put forth their objections to union with New York, but the real one has never been touched upon, in my opinion, and it is that, if New York were really united to Brooklyn, the excuses and the delicately polished lies of Brooklyn husbands would no longer find warrant in the minds of their trusting wives. (Laughter.) I have noticed that when the hour of adjournment was mentioned I heard a number of protests. I will venture to say that every protest came from a Brooklyn throat. (Laughter.) What on earth would become of the Brooklyn men if they did not have the excuse that they would have to attend to business in New York? Hence, if we unite with Brooklyn, why of course that excuse will not lie any longer. Well, Mr. Woodruff has given us an interesting illustration of the taxes. He has told us that the Brooklyn men spend two-thirds of their time in New York on business, and only one-third of their time in domestic pursuits in Brooklyn. (Laughter.) Well, two-thirds means, according to King Alfred's classification, sixteen hours out of the twenty-four. And if you Hardwaremen will deduct how many hours you give to business out of sixteen hours, I think you can very, very closely arrive at the number of extra hours that the hard-worked Brooklyn man gives to his avocations in New York. (Laughter.) Nevertheless this fact remains, referring to the poetical and scholarly closing of Mr. Woodruff, that nature's laws cannot be diverted even by selfish Brooklyn husbands, that nature's laws are inevitable of fulfilment sooner or later, and we in New York, almost bereft of domestic life, we turn our eyes to the rising sun of the East and say: "We want more religion, more domestic life, more beauty, more rest, more tranquility, and we will take you to our arms, Brooklyn, and that is what nature has designed us to do and what is the inevitable result of our connection." (Applause.) And assuming that to be our manifest destiny, when that destiny is fulfiled we hope some time to meet our friend from Cleveland, and that we will then give him the suggestion that, with a Greater New York here we will be a little more entitled to his sympathy and consideration from the great and bounding West. (Applause.) How to make our city better,



RECORDER JOHN W. GOFF.

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whether Brooklyn or New York? I see there was a sentiment assigned to Mayor Schieren to-night, political principles, I believe ——.

The President—Principle in Politics.

Mr. Goff—Principle in politics. That term should be as easily and as thoroughly understood on one side of the river as on the other. It has no reference to politics. It has reference to the affairs of our nation, of our state, of our city. There should be no division among honest men of principle. Parties should be the guards of principle and not principles the slaves of parties. There is a mutual compact, or should be a mutual compact, between every partisan and his party, and that compact rests upon the corner-stone, that the man of principle says to his party, "I am with you, and you shall have my fealty and my loyalty as long as you carry out the principles that I believe in; but the moment that you betray those principles, then the compact is broken and I have the right to leave you." (Applause.) Therein lies the true kernel of citizenship—patriotism before party (great applause), country before politicians in the lowest sense of the word. (Applause.)



WILLIAM H. WILLIAMS, PRESIDENT.

And if there be one agency more powerful than another to keep in check the rioting, successful politician, it is the fact that, like a sword of Damocles hanging over his head, it would be the action of independent men, governed by principle and not by party alone. (Applause.)

You have found that in this city of New York the affairs of the greatest municipality on this continent have been made the foot-ball of parties. The game of battledore and shuttlecock has been played by the politicians of both parties, and the great and varied interests of our great metropolis have been used as a shuttlecock by the politicians of both parties. One year the Democrats are in the majority in Albany and they say, "We want all the plums in the municipal pie." The other year the Republicans are in the majority, and want all the plums in the municipal pie. And between the two, our taxes have been rolled up. Our per capita tax is greater than any city in Europe, not even excepting Paris, with its war burden, and we have the worst municipal service of any city in America. Now, take one feature of our municipality, for instance, and compare it with any other sea-board city in the world. In the city of Liverpool they have the most extensive docks in the world.

Out of the revenue obtained from those docks the municipality of Liverpool has been enabled for a number of years to hold their city free from municipal taxation. And out of the surplus they have been enabled to build the most magnificent town hall in the world. When old Governor Dorgan, over two hundred years ago, gave this city a charter, the city of New York started in with the most magnificent birthright of any city in the world. What is the difference to-day? Our docks are not made to realize, to return to us any revenue, but are a source of expense and of charges of corruption from year to year. So that, in the city of Liverpool, with a tide-fall of twenty feet, they are enabled to build the finest docks in the world and build their town hall free, while we in the city of New York are deep in debt. Why is this? Because there is a total lack of principle in politics, the subject assigned to Mayor Schieren to-night. It has been a system of grab, appealing to the prejudices of citizens, to their partisan feelings, riding into power, rushing into sudden wealth. That is why in the city of New York to-day—never mind, the facts and figures prove it—we have the worst governed city in the world. We might as well keep our eyes open and recognize that fact, that we will continue to be so, that this great city favored by nature as much as any city in the world has been favored by it, that we will continue to be saddled with taxation, robbed and plundered, until all men that put principle above party come together and say: "We must conduct our municipal affairs upon the basis that business is conducted." I will not question why it is, gentlemen of the Hardware trade, that a Republican in national politics and a Democrat in national politics cannot come together in relation to their affairs in the city of New York, and meet as citizens and not as partisans, and discuss and act upon the affairs of their home city with the same impartiality and disinterestedness, with the same impartiality, that you gentlemen meet together in your clubs and discuss your business affairs. And when that great mass of men who have made our city what it is, when they can put aside mere partisan prejudices, when they can meet each other and say: "Is it for your benefit that you should be taxed simply to please Republican politicians or to satisfy Democratic politicians? But we, as business men, it is to our interest to reduce our taxes, and therefore we will join hand to hand and shoulder to shoulder for a principle and maintain a government that is capable and honest for ourselves." Your president has said here to-night in his opening address that he hoped for the work of reform. He did not speak like a political Cassandra that looked into the future and saw nothing but clouds and despair. He spoke, as he said, rather as an optimist, and it is better to take that view than that of the pessimist. You Brooklyn men, you New York men, and all interested in business prosperity, must depend to a large extent on political honesty. You cannot have respect at home or prosperity abroad if you have not political honesty. If it be known that our political affairs are being dishonestly handled and managed, it must necessarily affect your business enterprises. You business men understand that better than I do. But the business returns, the statistics, show that. And if you take that optimistic view which is the better view, the only way for you to carry that view into practice is for you business men not to consider that it is a disreputable thing for you to take part in politics. If you business men neglect your political duties, if you leave the politics of our city to be controlled and manipulated by the lowest, the most irresponsible, the most ignorant of our population, who are to blame? You are to blame and not they. I maintain that the coal-heaver who does not stay home on election day and votes according to his light, is better in the eyes of the government than the business man who goes away from the city on election day.

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(Applause). Revolutions never go backward in the ordinary course of human affairs. If they do go backward, civilization goes backward.

When the vandals of the north swept over the Roman empire, humanity went back almost into barbarism. The civilization finished and men became subject to savages. Civilization was turned back a thousand years. The dark ages, called the Middle Ages, followed. Learning went out and knowledge. The arts were forgotten, save by a few cloistered monks. Letters were not known of. Freedom was borne back by slavery. And that is why civilization went backward, and the same result will follow here. Having taken a great step forward for government, and honest government, it remains for this people to see that a great revolution backward does not take place and our populations are not placed under the wheels of the chariot of those who seek party gain and party conquest. I thank you gentlemen. I express to you again hearty thanks for your greeting. I can only say that I personally have felt myself but an humble instrument in the great work in which our people have been engaged, and the greatest ambition of my life and the greatest glory that I have ever achieved is to continue to express the voice of the honest, upright citizen, irrespective of party in the city of New York (applause).

The toast-master then said: At our last banquet, in introducing a clerical friend, I took occasion to say that probably the members of no trade in Christendom stood less in need of the admonitions of the clergy than that to which we belong. In view of the business depression of the past two years—I may perhaps say, with equal truth, that there are a few lines of business in which those engaged in them stand more in need of the consolations of the clergy than ours. And no one is more competent to extend that consolation than the distinguished and eloquent divine who is our guest to-night. I am happy to present Rev. Henry M. Sanders, D.D.

The toast, "Swords and Ploughshares," was the one assigned to Rev. Henry M. Sanders, D. D., pastor of the Madison Avenue Baptist Church, upon which he spoke as follows:

DR. SANDERS' ADDRESS.

MR. PRESIDENT AND GENTLEMEN: I fear that if you carry out your programme and adjourn at eleven o'clock some of us who live in the "shruburbs," as Mrs. Partington says, or rather the "outsquirts," of Brooklyn will be obliged to do as we used to do in college, when we came home very late; put up ten on one side of the door and eleven the other, so that we could say we had always come in between ten and eleven. I am sure I can say, with a great deal of heartiness and sincerity, the conventional thing—that I am very glad to meet you, to enjoy your hospitality, at this, not hard-tack dinner, but Hardware dinner. You certainly are not in the condition in which a fellow classmate of mine, in the theological seminary, was, when he went up to Blackwell's Island to preach to the convicts, when they came in 600 strong, he began his address by saying, "My dear friends, I am glad to see so many of you here" (Laughter.) When we chaffed him upon this, upon the *faux pas* that he had made, he retorted by saying that he flattered himself that his address had met with a success that we in the course of our ministry had never achieved, because every man there was under conviction. (Laughter.) Because they were in the penitentiary, I suppose he thought they were penitential. (Laughter.) I am sure I do not know why I have been asked to speak to this Club, representing so honorable a department of honest industry, for I certainly know nothing about Hardware. I won't follow out but very little the suggestion that you know nothing about religion, in view of what your president has said, but I will follow it out by saying that you don't know anything about a sermon, about the only thing which I do know how to make. In which case I find myself between the devil and the deep sea. I won't undertake to say which is which. The girl with the false hair, you know, could not undertake to say which was switch. The only connection between the Hardware and metal trades and the church, that I can see, is that of the minister who said to the sexton, when the plate came back filled with pennies, "Alexander the coppersmith hath done me much harm." (Laughter.)

I am sure I don't know why I have been asked to speak to you to-night. You know women's lunches have been described as gabble, gobble and giggle. In one of our papers recently a monthly missionary meeting became, by a printer's mistake, a mouthly missionary meeting. I am sure that is the justification you have for the addresses you have on such an occasion as this. I asked what I was expected to say, and was told it must be very light and frivolous. And then, when I was waited upon by a representative of the press, who said that the other speakers had all committed their remarks to writing, and that they wanted my photograph, I became frightened. (Laughter.) I was in the condition of the brother of the church who was very sick, and went round to his congregation, "Brethren, pray for me, and send me Puck and Judge." But your



E. BISSELL, CHAIRMAN TABLE A.

committee have very kindly given me a text. It was not one of my own asking, but a day or two ago was sent to me. I cannot promise that I will stick to it. Perhaps I will do as the minister said of his text, "I will go up to it and then I will go around it, and then I will go away from it." Old Father Taylor, of Boston, said that if the text had the small-pox the sermon would not catch it. (Laughter.) I fear that that will be somewhat the condition of my address to-night. As to the topic assigned to me, I suppose the words were not chosen for any other reason more proper for this occasion than that they are the utensils with which you have more to do and with which you are more familiar. But I suggest a thought or two, which may not be particularly "shoppy," from your trade point of view, but which concerns us all whether in Hardware or soft ware.

The topic which has been assigned me is "Swords and Plowshares." I suppose that the words were not chosen for any reason more appropriate to this occasion than that they are the utensils with which, among others, you have to do. But I cheerfully take them as suggestions for a thought or two which will not be particularly "shoppy" from your trade point of view, but which concerns us all whether in Hardware or soft wear, in dry goods or wet

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goods. Swords and Plowshares—I find these words several times in the Good Book I am wont to expound; in Isaiah, Micah and Joel, using the expression in the same sense. "The nations shall beat their swords into plowshares, and their spears into pruning hooks;" "nation shall not lift up a sword against nation, neither shall they learn war any more but they shall sit every man under his vine and under his fig tree, and none shall make them afraid." That sounds very irenic and peaceful, and it is, but when we come to inquire at what period that idyllic state of affairs is to obtain, we find that it is "the last day." Now I do not propose—because I do not pretend to be able to say just what time that refers to; but I am sure that while we might think that we are people upon whom the ends of the world have come and some of our gilded youth boast of being a "*fin de siecle*" community, we hardly come to the rest of the description—as a time when everyone walks in the ways of the Lord. You need have no fear, then, that the department of your industry which is engaged in fabricating instruments of warfare, will be absorbed in that which manufactures implements of agriculture; that swords shall be beaten into plowshares and spears into pruning hooks. That will doubtless come ultimately, but not in your time or mine. You may think it ill becomes one who is a minister of Him who was called a "Prince of Peace,"



STEWART H. CHISHOLM.

of whom was said, "He shall guide our feet into ways of Peace;" at whose advent angels sang "Peace on earth, good will among men;" who said "Blessed are the peacemakers," and who told his disciples to have peace one with another; I say it may seem rather incongruous that I should advocate the belligerent rather than the peaceful, but I remember that He whose I am and whom I serve, also said that He came not only to send peace on earth, but a sword; to set a man at variance against his father, and daughter against her mother, and daughter-in-law against mother-in-law—which latter consideration it would seem a hard thing to do. Do these words mean He came to stir up strife and enmity? To turn every man into an Ishmaelite, with his hand against his neighbor, as though there weren't divisions enough already and one thousand swords flashing in the air? Is there any place more sacred than our homes? And yet everywhere He is going to stir up discord and contention and set all its members by the ears. So that a man's worst foes shall be found where he might naturally look for his best friends. But we know the meaning, and may interpret such language. It is by contrasting means with end, results with processes. The end is peace and the means conflict. The finished product is pacification, and the method by which it has been brought about is struggle. The sword will be beaten into the plowshare, but only after it has beaten down all cruelty and crime and injustice—after it has been used in holy warfare. I am sure we must all depreciate war. It is one of the direst of calamities. Well may the litany of the English Church pray every Sunday "to be saved from lightning and tempests, plague, pestilence, from battle and murder and sudden death. Good Lord, deliver us!" War is a hideous thing. We cannot exaggerate its horrors. In and of itself it is butchery, and not of soulless animals, but of men. It means death, destruction and untold loss and suffering. It is difficult to find anything worse—even the words "hellish" and "Satanic" seem too weak to describe it and its consequences. But bad as it is, there are some things worse, and when war or any one of these other worse things is the only alternative, war, with all its abominations, is right, and with all its horrors, is good. It is, as said, death and destruction; but death only to body, and destruction only to property. Life is sweet and property is good, but even they can be too dearly kept. "What shall it profit a man if he gain the whole world and lose his own soul?" Souls may be lost without being sent to perdition—reaching perdition possibly at last—but being lost some time before. Martyrs have preferred death to apostasy; and there are some things to be feared more than the giving on the rack of the life physical. War, then, is not always wrong. It may be just, and right, and necessary. It is only forcible government, physical force sustaining moral right. The magistrate is not to bear sword in vain. Right and order are more precious than human life, and to maintain the one it sometimes may be necessary to sacrifice the other. War is nothing more or less than capital punishment on a large scale—the only difference being that on a scaffold there is but one executioner, while on the battlefield there are many. In either case it is organized society that strikes on the scaffold with the single hand of civil justice, and on the battlefield with many mailed hands of war. But sheriff or soldier, it matters not, they are equally legitimate. The sword, then, represents conflict, and stands for war, and can hardly yet be molten and recast into plowshares.

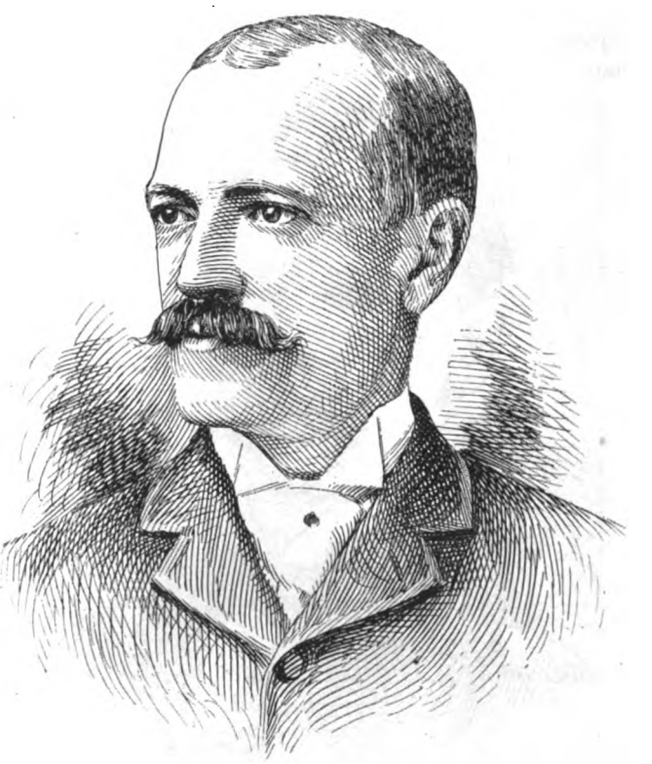
Offenses have not yet ceased between man and man; wrong, oppression, and cruelty have not yet been put down; and until that happy state arises, the weapon of strife cannot give way to the implement of industry. We want peace, but peace with honor. Our religion, our civil institutions, our industrial and social welfare, all demand that so long as cruelty, injustice and oppression exist, so long that sword must be out of its scabbard and brandishing about. Our high ideals expressed in our civilization are restless as well as resistless agitators. They turn and overturn until right be established on earth. Our ideal civilization believes in no compromise with error or wrong. It thinks nothing settled until it is settled right. It does not propose to remain quiescent while an injustice exists or wrong needs rectification. It is not the weak and maudling thing that cries, "Peace! peace!" when there is no peace, and none can be. Like the Irishman; it proposes to have peace in the family, even if it has to fight for it. We are now in the midst of great social and industrial agitation, and ferment, threatening revolution, and many are in alarm as though the foundations of society and government were dissolving, and some fear complete collapse of social order. But the revolution will reveal itself to be evolution, the rising of society into higher forms, a transient agitator, twining about a never stable equilibrium. Not only is this agitation inevitable, but it is beneficent. Why, you can't make even butter without agitation. Discontent is significant of increasing intelligence. Men must come to a perception of better conditions than the actual before they put forth their efforts for improvement. Wendell Phillips said "that the American Baby, when six months old, looks over the sides of the cradle and invents an improvement." If so it is because he feels uncomfortable, and has brains

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enough to see that a change is possible and improvement is feasi le. Discontent is grief between ideal and actual. Grumbling is the music of dissatisfied toil. Why is it—with all our admitted advance, great freedom, wealth and advantages, so that the lot of the people is better than fifty years ago—that there is less contentment among wage-earners? Working men and revolutionary schemes are more rife than ever? It is because, while material progress has been made, another kind of progress has been going on, at even a more rapid rate. I mean ideal progress—progress in people's ideas of what life ought to be, and, by proper opportunity, can be. Things are worse than fifty years ago; because the distance between the ideal of life entertained and the actual condition is greater now than then. The standard of comfort has arisen with greater rapidity than means of comfort; and discontent is simply the measure of distance between the ideal and the actual. But this is not an unrelieved evil. All progress has come by the same pathway. It is the result of quickened perception, seeing need and possibility of improvement, and then feeling impulse to go to war to bring it about. Discontent is pressure that pushes on to larger attainment; and I tell you the ideal man to-day is not the snoozing African along the Congo or the lazy Neapolitan fisherman sprawled out on his wharf, but the restless, hopeful, unhappy American who sees that things can be better, and wants them better, and proposes, by the Eternal, to have them better! Civilization is simply the synonym for awakened intelligence which is conscious of needs which soon become wants, and then impulses and then achievements; and that achievement means conflict; struggle with tradition and hoary customs, vested interests, intrenched conservatism, institutional antiquity and the like. It has to fight with men who, as Douglas Jerrold said, "wouldn't look at the new moon out of respect for ancient institutions—the old one." Of course, they want things to go on as they are, because they are well off and comfortable. But such men are anti-progressive. They are brakes on wheels, not motors. They are ratchets, not the crank. Thev are all breeching, nothing of a collar; and they have to be opposed, if we would get the chariot out of the ruts, where it is stuck fast, on the high road to the millenium. That means the sword. It is the sword that has blazed the path of progress through the forest, and prepared the way for the ploughshare. Peace comes of contention. Out of conflict comes advancement. War, even hideous and horrible, becomes tolerable to him whose vision is broad enough to take in the whole field. There has been no great struggle which hasn't resulted in good. The Crusades depopulated Europe; but they checked the advance of Mohamitanism, and hastened the destruction of feudalism, and developed commerce and civilization. The French Revolution broke the spell of absolutism in government; and, despite the reactions caused by its excesses, it established the democratic principle in Europe. Our civil war, costly and bloody as it was, is seen to have been worth all its cost. Out of the sanguinary and fratricidal strife came a consolidated people, a greater love for the Union, and, in all, it stands for a more assured and influential place among the nations of the earth.

Without the shedding of blood there is no remission; no betterment is ever brought about; no uplift for a community without somebody being pinched. The onward movement of the race has been not a journey, but a march, a march of soldiers. New territories have all had to be conquered. Wiser laws, humaner institutions, enlarged liberties, assured order have all been the crimsoned trophies of war. The great military campaigns of history, all its great landmarks. Great battles have been often arbitrament of great ideas. It is no new thing for bayonets to think, and they have been thinking better and better from age to age. In the great crises of history, when the clock of the universe has been about to strike a new hour, the unseen sqadrons in the air and the unseen chariots in mountains have always been more than a match for genius in generalship, or weight of massed columns, or prodigality of ammunition, or prestige of previous achievement, when they have been set against the right. Napoleon could never understand why his army was routed at Waterloo. By all military precedent the rout should have been upon the other side. He was never surer of a victory than then. But besides the army against him on the ground there was another army against him in the air. The stars in their courses fought against him and he was vanquished.

A bad cause may be successful at the start and the good cause stunned and staggered at the first onset. But the secret and victory of the Lord are with them that fear Him. Every soldier on the field has an ally in the worshipper in the closet. Every heart blazes with the light of His countenance. Every bugle trembles with the breath of prayer,



EDWARD C. VAN GLAHN, CHAIRMAN TABLE E.

and good men thus armed are invincible. He need not await the bullets, the end is sure.

> For right is right, since God is God,
> And right the day must win.
> To doubt would be disloyalty,
> To falter would be sin.

Gentlemen of the Hardware and Metal Trades, you will have no reason to manufacture and sell fewer implements of peaceful industry, the ploughshare and the pruning hook, but we have not come to the "last days," when you can cease to produce and deal in the weapons of defensive and offensive warfare. Even if there be those who think and claim that physical force ought never to be used in the propagation of truth and rectification of evils, and who believe that our Lord forbade the use of the material blade, when He said: "Put up thy sword, they that use the sword shall perish by the sword," and "the weapons of our warfare are not carnal," it remains true, that we, whatever our vocation, or our faith, and religiously speaking, have a fight to wage against foes within and foes without. We may not wrestle against flesh and blood, we do against spiritual wickedness, and the rulers of darkness. Our religion and any religion worthy of the name must be bellicose. In its nature it must be a crusade. It must betray animosity and antagonism against everything that contradicts it that is unjust, dishonest, false and impure. Just so far as a man

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is a good man, just so far he has to make a nuisance of himself in this world of ours. Jesus was a nuisance in his time. It is the nature of goodness that it irritates badness. Every virtue and its opposite are duelists, and try to kill each other. Fire must either put out water, or the water the fire. The moral and social and industrial tranquility of the world can only be obtained by the overthrow of wrong. Compromise is out of the question. The call of the hour, in all forms of our complex social life, is not for diplomats, but for soldiers; not for ambassadors, but regiments; for conflict, not negotiation, Courtesy toward evil is poltroonery. Irresoluteness postpones victory, it doesn't win it. Domesticating an outlaw does not change him. You can't cure a cancer with a piece of court plaster.

And so this implacable feud is on, and I don't know of anything we need more, or more of it in our time or town, than the spirit of the sword. The courage of our convictions to see things as they are, to name them according to their character, to deal with them as they are, and with stubborness refuse to show anything but the black flag to whatever is opposed to good government; to honestly conducted business, to a purer and more unselfish social state, and an equitable solution of our industrial problems.



ANDREW McLEAN.

Wherever any of us stand is holy ground, because it is a battlefield, and at whatever point we individually touch society, that is the spot that ought to feel the point of our spear and the edge of our sword. The place where our business plants us and our customary duties engage us, is the one where we shall wield our weapon to the best effect, and the soonest prepare the way for the ploughshare and the reaper.

God give us men, a time like this demands
Strong minds, great hearts, true faith and hands.
Men whom the lust of lucre does not kill,
  Men whom the spoils of office cannot buy,
Men who possess opinions and a will,
  Men who have honor. Men who will not lie.
Men who can stand before a demagogue
  And damn his teacherous flatteries, without winking.
Tall men, sun crowned, who live above the fog
  In public duty and in private thinking.
For while the rabble with their thumb-worn creeds,
Their large professions and their little deeds,
  Mingle in selfish strife, lo! Freedom weeps,
  Wrong rules the land and waiting justice sleeps.

At the conclusion of Dr. Sanders' address the chairman said: In any assemblage of intelligent men to-day a recognition of the power of the press, and its commanding influence in civilization of the nineteenth century, is as natural as the acceptance of the law of gravitation, or the principle of evolution of the species. In that profession, no brighter intellect or agreeable personality will be found than in our friend, Andrew McLean, the editor of the *Brooklyn Citizen*.

Mr. McLean then spoke upon the topic: "Iron in the Public Press."

MR. M'LEAN'S ADDRESS.

MR. PRESIDENT AND GENTLEMEN: I take the liberty of expressing the extreme pleasure that I have had here to-night, and in addition to expressing the present pleasure that I have had at the hands of agreeable gentlemen, I wish to say that the general tone of the discourse to which I have been privileged to listen, has added much to that happiness. I think, Mr. Chairman, that it is not one of the least mistakes with commercial gatherings of a social kind, the mistake of assuming that the discourse should run along the lines of the particular business to which the gentlemen concerned are devoted. There are times when the one thing in order is speech about business; there are other times when the one thing in order is the principles that underlie business and business life. To-night we have all been privileged to listen to speeches that have been of the deepest interest, not only to men in the Hardware trade, but to every one interested in the life around us. I must also say that among the pleasures that I have had here to-night is that of sitting under the presidency of Mr. Williams. Brooklyn, as you all know, is merely an obscure town in the eyes of all New Yorkers. It is, therefore, especially gratifying to a Brooklyn journalist to be at a gathering where Brooklynites are honored. Among the citizens of Brooklyn there is not one that stands higher in the estimation of his fellow citizens than the president of this gathering here to-night. There is one thing with which I do not find myself in accord, and that is the observation of Mr. Woodruff as to the opposition of the press to the greater New York. It is doubtless because Mr. Woodruff, in the multiplicity of his employments, and in the fullness of his occupation as a political leader, has overlooked what is going on in the press of Brooklyn. I have had the honor, the duty, indeed the questionable honor, indeed the somewhat obscure duty, of contending for the consolidation and not for the opposition. (Applause.) In addition I would say that while there has been very much in the government of Brooklyn, and of New York alike, to warrant every good citizen in putting forth all his efforts, still it is true that there is no city in the world which more distinctly represents the power of the common man to carry on government, than the city of New York itself. (Applause.)

You have undoubtedly great evils to cure. But it is still a fact that New York is a great and noble city, worthy of the affection that she enjoys at the hands of her children, and that upon the whole the metropolis of the Union is not unworthy of the Union over which it presides. (Applause.) This, too, I take the liberty of saying within the little time at my disposal, that inasmuch as you have allowed of large latitude, I may be perhaps permitted to say that I differ from the distinguished gentleman who now sits upon your bench. I refer to Mr. Goff's opinion that we should in these great cities forget partisanship. That is a mistake. We should, on the contrary, keep in our minds the needs for which parties exist. New York has gone down because New Yorkers have lost sight of the fact that parties are agencies. We should have a reawakening of the few to the fact for which parties exist. It is in my mind a misconception of the whole of our government to imagine that we can carry on this government without being partisans. But to have to continue your opinions and to decline to recognize the organizations that carry on these opinions, is in my idea a part of the duties that we owe to our citizenship.

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The gentlemen of the Hardware and metal trades are distinguished for enterprise and intelligence. It is quite unnecessary to dwell upon the ways and the manners in which iron is related to the sum of our industries. It may be well called the basic industry. It stands on the top and it is related to the bottom. There is hardly a thought upon which we can put our minds with which the iron master is not connected. Next to the gentlemen who control the sugar trust, no body of men hold a higher position of importance in the country to-day than those engaged in the manufacture of iron. Reference has been made to our municipal problems. In our national affairs, as well, we are confronted with this gruesome spectacle of corruption, and closely related to it are the men who are related to the construction and the sale of iron. It will do no harm if the members of the iron trade will lay to their hearts the principles enunciated by our friend and lay it down that the national conditions shall not involve assaults upon the very life of the republic. (Applause.) The gentleman who drew the toast to which I am permitted to respond was a gentleman of much more active imagination than I can venture to claim.

Iron is a very large subject. The press is a still larger one. On either one of them I could write a book, and this I do not propose to do to-night. But this, I think, can be said concerning the press and concerning iron, that in much of the press iron is constantly telling as an influence. I can enumerate not only the trade journals, where its influence is properly and rightfully felt, but I can mention many a newspaper where there is iron in the editorial room, as well as in the press-room, that produces the newspaper. (Applause.) But the thing that I have particularly in my mind is what I am sure every journalist would say if he were here in my place—that there is no body of men who could gather in New York who have a larger claim upon the attention of every newspaper in the United States than the iron industry has. It is a mere truism to say that it underlies, as we have indicated, the general sum of our industries. Modern civilization has taken on conditions that make that inevitable. And the iron trade cannot suffer, cannot be put in paralysis, as we know, without our other industries suffering. And those who look toward the future keep their eyes fixed upon the iron industry. There we see the dawning, so to speak, of a new spring, the coming of a new summer. So, when Mr. Williams said here to-night, that better times were coming, that was being said which ought to have encouraged every friend of industry in the United States. (Applause.) It is suggested by Matthew Arnold, in his essay on "Sweetness and Light," speaking of the iron-masters of England, who typify in his mind the large fortunes of England, that if we compared them with other gentlemen who lead a very much more moderate existence, one would see very little to admire in carrying on their industries and building up their fortunes had they sacrificed that light of soul which is the very end for which industry should be carried on. I know not how true it was in England when Matthew Arnold wrote, but I know it would be a great misfortune if it were true in these United States. However much we shall give our hearts and our minds to the carrying on of trade, we shall ever remember that the man is more than his occupation and the country is more than the sum of all its industries. (Applause.) The iron-master has nothing to do, in God's heaven, that is incompatible with the highest manhood, and there are men around this board who are compatible with both. The lesson in this republic to-day is that for certain ends we live. It is that we shall be good and true and honest men; that after us shall live a great and a noble nation, after all have passed away, and that never shall the nation be laid prostrate before our manhood or our occupation. (Applause.)

The last number upon the programme, a bass solo by Mr. Bushnell, was "Rocked in the Cradle of the Deep," which won a hearty outburst of applause. Then, upon the suggestion of the president, Mr. Bushnell led in "Auld Lang Syne," in which the company joined; and with that the Annual Dinner of 1895 came to an end.

LETTERS OF ACCEPTANCE AND REGRET.

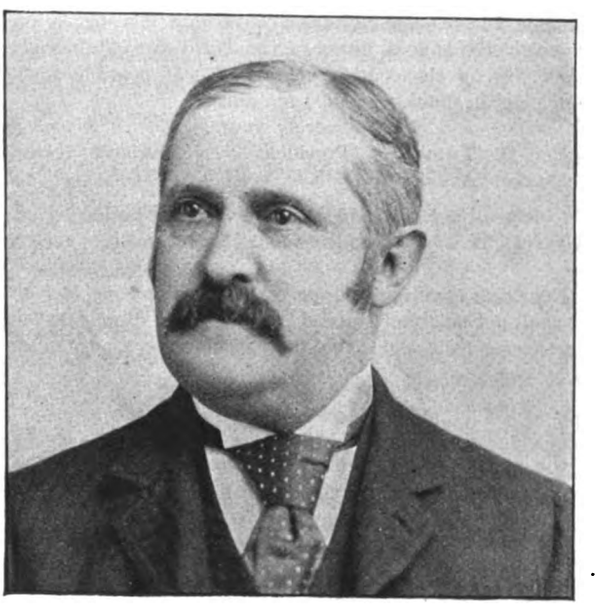
The following letters carry their own explanation:

Executive Department, Columbus, Ohio, December 15, 1894.

J. H. Kennedy, Editor HARDWARE, (of the Dinner Committee.)

I have just read your very generous and interesting favor of the 11th inst.

My inclination is all in the line of accepting the invitation which you informally extend, for I fully realize the representative character of the New York Hardware Club. I have always considered that in no branch of industry are the benefits of protection more clearly shown than in the Hardware trade. I would, therefore, feel a special pleasure in meeting face to face the gentlemen of the New York Hardware Club, but I really feel compelled to send a declination to your invitation. I find that the demands upon my time are altogether more than I can meet. Already I have enough engagements for the early winter to consume most of the spare time at my disposal. Please convey to



J. L. VARICK, CHAIRMAN TABLE D.

the gentlemen of the Hardware Club my appreciative regards and my regret at my inability to accept their invitation.

Yours sincerely,

W. MCKINLEY.

Heavy Hardware Jobbers' National Union,
Chicago, January 29th, 2895.

Mr. WILLIAM H. WILLIAMS, President Hardware Club, New York City:

Dear Sir: I have received, through Mr. George Deming, of Cleveland, your invitation to me, as president of the Heavy Hardware Jobbers' National Union, to attend the annual dinner of the Hardware Club, of New York city, to be held on Thursday evening of this week. In behalf of the Association which I represent, I thank you most cordially for the invitation, but regret that I shall not be able to attend.

Yours very truly,

S. D. KIMBARK, President,

Edwin L. Haley & Co., Boston, January 17, 1895.

WILLIAM H. WILLIAMS, Esq., President Hardware Club, New York City, N. Y.:

I am in receipt of your kind invitation to be present at your annual dinner, January 31st, 1895. I regret very much that prior engagement made with the Associated Board of Trade of our State to meet with them, at which time they are to entertain all the Governors of the New England States, prevents me from accepting.

Wishing your club the continued success which it richly deserves, and regretting my inability to be present, I remain,

Yours respectfully,

EDWIN L. HALEY, President.

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Mayor's Office, Brooklyn, January 18, 1895.

Mr. WILLIAM H. WILLIAMS, President Hardware Club, New York City:

Dear Sir: I am directed by His Honor, the Mayor, to acknowledge the receipt of your cordial invitation to attend the annual dinner of the Hardware Club, of New York, at Sherry's, on Thursday evening, January 31st, at six-thirty o'clock, and to say for him that he will be glad to accept and be present with you on that occasion Very sincerely yours,

W. M. PALMER, Secretary to the Mayor.

Mayor's Office, Brooklyn, January 23, 1895.

Mr. WILLIAM H. WILLIAMS, President Hardware Club, New York City:

Dear Sir: The Mayor desires me to say that he will have to reconsider his acceptance of your cordial invitation to attend the annual dinner of the Hardware Club, on January 31st, owing to the present condition of affairs in this city. He regrets the necessity of making this change in his determination.

Yours sincerely,

W. M. PALMER, Secretary to the Mayor.

Lowell, Mass., January 14, 1895.

Mr. WILLIAM H. WILLIAMS, President Hardware Club, New York City:

Dear Sir: I have your invitation of the 10th inst. before me, to be present at the annual dinner of the Hardware Club, and beg to thank you for the courtesy extended. If possible I will be present. Again thanking you, I remain,

Very sincerely yours,

SAMUEL H. THOMPSON, President New England Hardware Dealers' Association.

Russell & Erwin Mfg. Co., New York, January 31, 1895.

Mr. WILLIAM H. WILLIAMS, President Hardware Club, New York City:

My Dear Sir: Owing to the very serious illness of Mr. Woodruff, I shall not be able to attend the Hardware dinner this evening, or to accept the seat at the table of honor so kindly tendered to me by you. Yours very truly,

WILLIAM G. SMYTH.

At the annual meeting of the National Wringer Mfg, Co., Canton, Ohio, January 15th, the following officers and directors were elected: president, F. Herbruck; treasurer, Jos. Schott; secretary and general manager, Al. Schott; directors, F. Herbruck, Jos. Schott, Al. Schott, M. S. Schott, Isaac Weiner and J. Markling. The company report that the year just closed has proved a prosperous one, and the present year gives even greater promise. H. F. Livermore & Co., No. 34 Oliver Street, Boston, Mass., will represent the company in the New England States.

The St. Louis Wooden Gutter & Refrigerator Co., St. Louis, Mo., elsewhere present the claims of their Lu-Mi-Num bicycles. As aluminum has made its impress for lightness and strength in other directions of manufacture, we do not see why it should not have the same good results in the bicycle line. The company certainly make a good presentation of their claims, as will be discovered by any dealer who will open correspondence with them.

Elsewhere, E. Bissell, Son & Co., No. 12 Murray Street and No. 15 Park Place, New York, announce for Tuesday, February 12th, a special auction sale that should attract the attention of the trade. It comprises a line of goods from the Lalance & Grosjean Mfg. Co. On Thursday and Friday, February 14th and 15th, they will also have a sale of table and pocket cutlery, plated flat ware, shears, spoons, carvers, etc. The full details will be found upon page 80 of this issue.

The Buckeye Churn Co., Sidney, Ohio, are still pushing with considerable success their well-known Buckeye Churn, in which the "new motion" in butter making has shown such gratifying results. They will be pleased to send prices and descriptive circular to any who may be interested.

Bicycle Board of Trade Meeting.

At the meeting of the National Board of Trade of Cycle Manufacturers, held in the Madison Square Garden, January 24th, the following business was transacted: Secretary Child read the treasurer's report, showing a balance on hand of $347.15. It also showed that the Board was organized on January 10, 1894. The work of organization was in the hands of Messrs. Pope, Coleman, Lozier, Spalding and Stimpson. All the shares have been subscribed for—1,000 shares at $5 each. Paid in, twenty per cent. as called for, or $1,000.

Upon nomination by the chair, Colonel Ben Lovell, A. L. Garford and George R. Bidwell were constituted a nominating committee, and the following Executive Board were unanimously elected. Colonel George Pope, Pope Mfg. Co.; A. G. Spalding, A. G. Spalding & Bro.; R. P. Gormully, Gormully & Jeffery Mfg. Co.; R. L. Coleman, Western Wheel Works; C. F. Smith, Indiana Bicycle Co.; W. F. Wilson, Liberty Cycle Co.; C. W. Dickerson, Sterling Cycle Co.; Joseph McKee, McKee & Harrington; Walter Measure, Union Cycle Co.; E. C. Stearns, E. C. Stearns & Co.; A. Kennedy-Child, Curtis-Child Co.; W. J. Bruff, Remington Arms Co.; W. A. Redding, New York.

After the general meeting the Executive Committee met and elected the following officers: President, A. G. Spalding; First Vice-President, R. P. Gormully; Second Vice-President, Colonel George Pope; Treasurer, W. A. Redding; Secretary, A. Kennedy-Child.

At the Saturday meeting the following important resolution was introduced by C. W. Dickerson: That all future shows in this country be held under the auspices of the National Board of Trade. This resolution was unanimously adopted. The following sub-committees were also appointed: Legislative Committee—W. A Redding, chairman; George R. Bidwell, A. Kennedy-Child. Press Committee—R. Philip Gormully, chairman; George Pope, C. W. Dickerson. Transportation Committee—Joseph McKee, chairman; George H. Day, R. Lindsay Coleman, C. F. Smith, George R. Bidwell. Racing Committee—George Pope, chairman; E. C. Stearns, C. W. Dickerson.

By an oversight in the writing up the detailed account of the New York Cycle Show, the display made by A. Featherstone & Co. was unintentionally left out. We now take great pleasure in inserting the same. The Biddle Hardware Co., Philadelphia, were in charge of this exhibit. The wheels shown comprised eight models. The well-known Road Queen (lady's), weight 29 pounds, list $80. Road King (gent's), 24 pounds, list $80. Duke, 28 pounds, $60. Duchess, 33 pounds, list $60. Prince, 25 pounds, $50. Princess, 29 pounds, $50. Middy, 23 pounds, $40 (boy's wheel). Midget (girl's wheel), 27 pounds, $40. Flying Gib, $20. The wheels are well finished and are fitted with popular tires and Garford's saddles.

Schoverling, Daly & Gales, No. 302 Broadway, New York, are distributing a most ingeniously constructed game marker. It is made of cardboard, in the form of a bicycle. Two disks with numbers marked thereon revolve behind the bicycle wheels, showing the numbers of games and points through two holes cut in the two wheels. Within the frame of the cycle appears the announcement that "The Gales Win The Game."

The Troy Nickel Works, Troy, N. Y., are sorry to inform their many patrons that the 1895 crop of dimeandpins has been blighted by the cold weather. Those who desire to possess these handsome articles, are requested to patiently await the next harvest, when they will be remembered. Though the productions of this well-known company are Always Cold, it is seldom that their friends "get left."

HARDWARE costs only One Dollar a year.

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"Ohio" Ice Cream Freezer.

The Sam'l C. Tatum Co., No. 254 Water St., Cincinnati, O., are making the "Ohio" Freezer, Gooch's patent, in sizes from 3 to 25 quart. As seen from the illustration, the gearing is fully housed and so arranged as to prevent dirt and oil getting into the can. The shank of the dasher comes up through the housing, so that the crank may be used either from the top or side. The can has an iron top with gearing

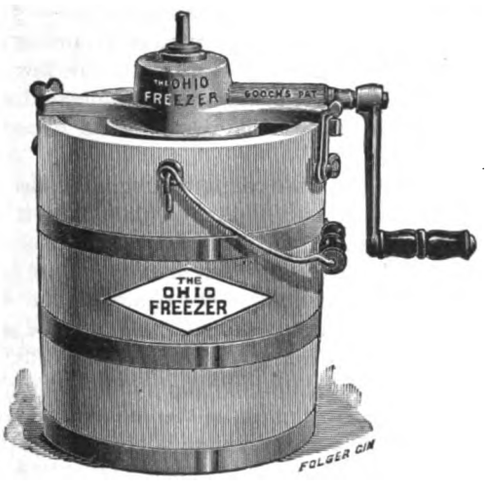


FIG. 1.—THE "OHIO" FREEZER.

on it, concealed under the housing, giving one motion to the can, while the reverse motion is given to the dasher. The dasher on one side has spiral projections which thoroughly stir up the cream from the bottom, while on the other is a wood strip which in the action of turning the dasher presses closely against the outside of the can, and thus insures the thorough stirring of the entire contents of the can. The parts are accurately fitted, and with exceedingly neat and new label make a very attractive article for the Hardware dealer as well as the customer.



Fig 2.—Section, showing motion of cream to and from the center

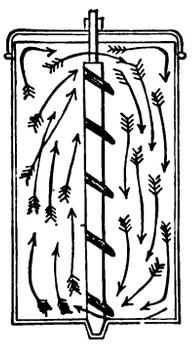


Fig. 3.—Section, showing motion of cream from bottom upwards.

Yale & Towne Mfg. Co.'s Boston Office.

The Yale & Towne Mfg. Co. make the following announcement under date of February 1st: We beg to announce that Mr. A. T. Young, heretofore manager of our Boston house, has resigned his position and will be succeeded on February 1st by Mr. John T. Boyd, formerly and for several years manager of our house in Philadelphia. The latter hopes within a short time personally to call on many, if not all, of our customers whose business is transacted through our Boston house, and will be pleased always to receive them when they can make it convenient to call at our office.

Our line of Hardware products as now constituted is unequalled in character, variety and extent, embracing as it does, our extensive lines of Yale and Standard locks; an unrivalled line of Art Hardware in bronze, brass and Bower-Barffed iron; our new and complete line of Cabinet Locks, the latest and most extensive in the market; our large line of Padlocks, both of finer and the cheaper grades; and the complete product of the Branford Lock Works, now owned by us, comprising a full assortment of Locks and Builders' Hardware of less expensive and more popular character than most of our Stamford products, and unexcelled in range, variety and quality by any other comparable line of goods. To these we are now adding, and are just placing on the market, a new and extensive line of Wrought Goods in bronze and steel, both plain and in various ornamentations. Collectively these varied products constitute the best, cleanest and most extensive line of Builders' Hardware in the market.

The catalogue of our Hardware products is now embraced in four volumes, viz.:

No. 14, 1883, Yale and Standard Locks, and Fine Hardware.

No. 15, 1894, Art Hardware, Supplementary to No. 14.

Branford Lock Works Catalogue, 1893, Locks and Hardware.

Cabinet Lock Catalogue, 1894, Cabinet Locks, Cabinet Hardware and Padlocks.

Customers not already supplied with any or all of these catalogues will be promptly furnished with them on application.

Trusting that the many recent additions to and improvements in our line of Hardware products will interest our customers and lead to increased business, with benefit both to them and us, we are Respectfully,

THE YALE & TOWNE MFG. CO.

Rhode Island Perkins Horseshoes.

Under date of February 1, 1895, the Rhode Island Perkins Horse Shoe Co., Providence, R. I., make the following interesting statement:

We have prepared the following table to show the relative cost of our special patterns of shoes compared with our regular standard patterns and to confute the statements of those who claim we charge too much difference for them. We take our list price as the basis of cost; a No. 2 regular Light pattern as a basis of size and weight; and a pair of two shoes as a quantity basis. The same proportional difference of cost will apply on the Medium and Heavy of all patterns.

One pair Light Toe Weight Shoes cost 1¼ cents more than one pair No. 2 Front Light.
One pair Front Extra Light Shoes cost the same as one pair No. 2 Front Light.
One pair Front X. L. Steel Shoes cost ½ cent less than one pair No. 2 Front Light.
One pair Front Calked Shoes cost 1 cent less than one pair No. 2 Front Light.
One pair Front Side Wear Shoes cost ½ cent more than one pair No. 2 Front Light.
One pair Mule Shoes cost 1¼ cents less than one pair No. 2 Front Light.
One pair Cowboy Shoes, fitted, cost 2 cents more than one pair No. 2 Front Light.
One pair Hind Extra Light Side Weight Shoes cost 3 cents more than one pair No. 2 Hind Light.
One pair Hind X. L. Steel Shoes cost ½ cent less than one pair No. 2 Hind Light.
One pair Hind Calked Shoes cost the same as one pair No. 2 Hind Light.
One pair Hind Side Wear Shoes cost 1½ cents more than one pair No. 2 Hind Light.
One pair Hind Extra Light Shoes cost the same as one pair No. 2 Hind Light.

In another column we present the advertisement of the "Self-Closing" Tomato Support, manufactured by the Lewis Mfg. Co., Utica, N. Y. The manufacturers say that this has proven to be an excellent seller among the Hardware trade, as "it sells on sight, and fills a long-felt want among gardeners and farmers generally." The cuts in the advertisement explain the manner in which the Support is used. It is made of heavily galvanized wire, is strong, and will last for years. It folds into small space, and in use keeps the vines well above the ground, allowing free circulation of light and air. It pays a good profit to the dealer. The manufacturers will cheerfully give any further information that may be desired.

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Hardware Club Notes.

The following gentlemen have been unanimously elected to the New York Hardware Club since our last report:

Nathaniel C. Fisher, No. 146 Duane Street.
Irving R. Fisher, No. 146 Duane Street.
James McK. Graeff, No. 196 Church Street.
Alfred W. Kidder, Potter Building.
J. M. Schermerhorn; Middlesex Rubber Works.
A. J. Sloper, New Britain, Conn.
Wm. H. Trabue; Kelly Axe Mfg. Co.

The total membership of the New York Hardware Club on January 15th was 548, consisting of 460 resident members and 88 non-resident members.

The following is a list of some of the many visitors who have registered at the Club: Theodore Burbank, Salt Lake City; O. S. Gutherz, Carlsbad; W. H. Grindley and Alfred Meakim, England: O. Brocumeweins, Paris, France; Max Firsser, Carlsbad; T. A. Emmons, Montreal; R. L. Johnson, England; Geo. Borgfeldt, Vienna; Dr. Austin Henry, China; Juan Garcia, Havana, Cuba; Edwin Moore, Kensington, Conn., the artist whose pictures adorn so many spaces in the Club rooms.

Axle Manufacturers Meet.

The National Association of Axle Manufacturers met in Pittsburg, Pa., at the Monongahela House, last week. Representatives of the following companies were in attendance: Cleveland Axle Mfg. Co., Canton, Ohio; Sheldon Axle Co., Wilkesbarre, Pa.; Liggett Spring & Axle Works, Pittsburg, Pa; Singer, Nimick & Co., Pittsburg, Pa.; La Belle Steel Co., Pittsburg, Pa.; H. Hay & Son, Coshocton, Ohio; Scranton Axle Co., Scranton, Pa.; Spears Axle Co., Wheeling, W. Va., and the Woods-Smith Co., Chicago, Ill.

The association gathered to pass on matters of importance to the trade. A resolution was adopted making a five per cent. reduction in the selling price of axles, to take effect immediately.

Fell Down an Airshaft.

Emanuel Samuel, forty-five years old, the senior partner in the firm of L. M. Samuel, Benjamin & Co., Hardware merchants of Toronto, Canada, while looking down the airshaft of the Crossman flat at No. 171 West Seventy-eighth Street, from the third floor, February 3rd, lost his balance and fell to the bottom, breaking his spine and several ribs. He expired two hours later. Mr. Samuel was prominent as a Hardware merchant. He left one brother, his sole living relative, who is the agent for the firm in London. He married twenty-five years ago, and has had no children, his wife dying eleven months after marriage.

The New Haven Wire Mfg. Co., New Haven, Conn., have just completed a large two-story addition to their wire mill, in which they have placed the latest and most improved wire drawing machinery. This department will run almost exclusively on the special grades of wire used by Hardware manufacturers, such as require great accuracy in drawing and uniform temper. During the past three years this company have paid particular attention to the requirements of consumers of special wire, and as the entire plant is practically devoted to the production of those kinds of wire, manufacturers can depend upon prompt and satisfactory fulfillment of orders.

The Standard Fibre-Ware Co., Mankato, Minn., have made a material reduction in the price of their spittoons, as will be seen by reference to our Prices Current. They have had great success in selling these goods to the Hardware trade. They point out the ease with which they can be kept clean, and their great durability. The covers are especially strong. They will be glad to correspond with any who are interested in goods of this character.

Review of the Markets.

Financial: The interest of the financial world is centered in Washington. There is no doubt that a bond issue of $100,000,000 will be made, and that shortly. The cabinet has given Mr. Carlisle authority to issue bonds at his discretion, and he will act soon if Congress does not act on a financial bill. An issue of certificates of indebtedness has been proposed in the House instead of bonds, and is favored by Mr. Reed, of Maine. The President's message to Congress on Monday sums up the situation in a clear and concise manner, and is really an appeal to the law-givers of our country. Foreign speculators seem able and willing to subscribe for the entire bond issue. The exportation of gold has ceased.

In Hardware, there is a slight change for the better in the condition of the trade. As yet, however, it is not as steady as is desired. Possible legislation on the currency question has had the effect of frightening off the large buyers. The trade must necessarily come, as the stocks all over the country are in a depleted condition and must soon be replenished. The fact that so many new factories are being opened up, show the way the tide is setting.

Locks: There is no change in the lock market. Things are moving as slowly as they were at the first of the year. Cabinet locks are still at a very low figure.

Blocks: The block trade is very bright. Manufacturers are in many cases working their full capacity, and are behind in their orders.

Skates: Houses that handle skates are congratulating themselves. Owing to the extreme cold weather, the sales have been large and numerous, more so just now than before.

Cutlery: During the last week the cutlery trade seems to have taken an upward move. Orders for pocket knives and razors have been coming in better than for some time past. The import trade in pocket knives, carvers and table knives seems quite large. One firm in New York have orders for over 650 dozen table knives. There is a feeling that prices have become settled, and the outlook for trade is quite encouraging.

Nails: Wire Nails: In spite of the bad weather, which the manufacturers say is not favorable to the nail market, wire nails are showing an improvement. Prices are higher than last week. Prices range from 90 to 95 cents at mill. The current price is often put at 95 cents. Most of the mills have full orders. Cut nails show no improvement; prices are stationery. Carloads on dock are quoted at 85 cents, small lots from store from 90 to 95 cents, carload lots at mill 75 cents,

Nuts and Bolts: The market is very quiet. The Western markets show an improvement over the Eastern. The new list goes into effect on February 14th.

Hinges: There is no change in the hinge market, and none but the usual demand for these articles. Prices seem to have reached the lowest figures. No change is anticipated.

Paint: The financial question is having a depressing effect on the paint market. The outlook for a good spring trade is not very flattering. Prices are low.

White Lead: The strikes and storms that prevailed throughout the country, and the generally unsettled condition of affairs have almost destroyed what little trade there was in this line. The recent price list issued by the National Lead Company is as follows, subject to change without notice: Pure white lead, dry and in oil, red lead or litharge in kegs, in lots of less than 500 pounds, 5¾ cents; in lots of 500 pounds and over, 5¼ cents. Red lead and litharge in barrels and half barrels, ¼ cent per pound less than price in kegs. White lead in 25-pound tin pails, 1½ cents; in 12½-pound tin pails, 1 cent; in 1 to 5-pound tin cans (100 pounds in a case), 2½ cents per pound above keg price. Terms: On lots of 500 pounds or more, 60 days,

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or 2 per cent. discount for cash if paid within fifteen days from date of invoice. Red lead: For German makes prices are firm at 4⅜@4¾ cents, as to the size of the order and date of shipment, while for jobbing store parcels they are quoting 4⅞@5 cents. Domestic makes are quoted at 4½@4¾ cents. Litharge: The probable shut down of many of the rubber factories in the near future has curtailed the sale of this article. Quotations are at 4¼@4¾ cents. Zinc: Values remain unchanged. The export demand is fair. The quotations are 3¾@4¼ cents. Window Glass: The market is not changed; prices are low. Linseed Oil: There is no cheap oil anywhere at present, quotations having been advanced to 56 cents. Business is light and of a jobbing character.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.

Lake, ingot..... ℔ ℔....	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting.....	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½

Tobin Bronze—Rods.

¼ inch to 3½ inches, incl....17c.	℔ ℔
Over 3½ to 5 " " 18c.	℔ ℔
Square and Hexagon Rods, 1c. extra.	℔ ℔

Tobin Bronze—Piston Rods.

¼ to 3½ inches, inclusive...18c.	℔ ℔
Over 3½ to 5 " " ...19c.	℔ ℔

Antimony.

Hallett's .....℔ ℔....	7¼
Cookson's.....	9¼

Lead.

Foreign .....℔ ℔....	nominal.
Domestic.....	3½@3¾

Spelter.

Foreign..... ....℔ ℔....	4¾
Western, common	4

Zinc.

Sheet, cas.k.....℔ ℔....	4¼@5

Tin.

Straits, 10 ton lots, spots ℔ ℔	15
Straits, store lots.....	16

Tin-Plate.

Coke Tins:	
J B grade Coke Tin.....	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20..... ...	4¼
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28.....	13.00
Dean, 14x20.....	4½
Do. 20x28.....	9.10
D. R. D. grade, 14x20.....	4¼
Do. 20x28.....	8½

Clapp & Co., bankers and brokers, New York, in their latest weekly letter, say: "In 1861 and 1862, when the country gave up a gold basis, and went on to a currency basis, money at first became scarcer and values declined. The reduction of currency and withdrawal of gold then took place. In 1879, when the resumption began, values advanced, the circulation of money increased equal to the amount of gold, that again became a circulating medium. The United States gold product for 1894 as estimated by Wells, Fargo & Co., was $45,892,668, and for ten years previous $303,430,823. The silver product was $28,721,014 in 1894, against $521,622,600 for ten previous years. The value of the copper and lead mined in 1894 exceeds that of silver. The four metals equalled a valuation of $105,113,479; Montana and Colorado producing more than half. The Mexican Republic produced for the year ending June 30, 1894, $1,425,000 in gold, $47,250,000 in silver, and coined for the ten preceding years $10,450,057 in gold and $507,317,921 in silver. The world's product of gold in 1894 is estimated at about 170 millions. The exports of silver to China, Japan and the Straits in 1894, via London, were $46,502,180, via San Francisco $12,520,678; total, $60,022,858."

THE MINNEAPOLIS TRADE.

Midwinter's dullness, with the thermometer from 10 to 30 degrees below zero; not a very good time for building operations, and the loggers have the principal part of their supplies in. Travellers are out looking for spring orders, but it is rather early yet to expect very much business.

There are a number of changes made and contemplated in the Hardware trade here. F. R. Warner has moved from his old location on the east side to Bridge Square, next door above us. T. M. Roberts, who is doing a catalogue business, and handles everything from a plow to granulated sugar, furniture, watches, etc., as well as Hardware, has leased the three-story building recently erected on Nicollet Avenue, between Seventh and Eighth Streets, next door to the Pierson Hardware Co. This will give him ample room in which to handle his increasing business.

The Pierson Hardware Co. have advertised that they are going out of the builders' Hardware business, and propose devoting all of their attention to stoves, bicycles, etc.

Among many of the dealers here there has been a great deal of dissatisfaction against a local jobbing house on account of the alleged fact that they have been practically conducting a retail business, selling nearly anything to anybody that might come along, and at prices that retail dealers could not afford to meet. They have made the announcement that hereafter there will be no just cause of complaint in this respect, and that they will not only discontinue this practice generally but will not sell even the largest and best contractors goods that could be purchased of retail dealers. The St. Paul houses had already signified their intention to let this class of trade alone. This will meet with the approval of every dealer in this city, as all were effected to a greater or less degree, and we firmly believe there will be a better feeling between their customers and themselves, and that it will result in more business and profit to them in the end.

A very important contract, that of the Hardware for the new court house and city hall, was let about ten days ago. A very hard fight was made by our local dealers, representing various prominent companies. The representatives of these companies were here as well, and the merits of their goods, as well as the weak points of their competitors' lines, were fully explained to the building committee. Special designs were gotten up and submitted. It was finally awarded to us on the Yale & Towne Mfg. Co's goods, special Romanesque design, bronze, old copper finish; the highest of fifteen bids being accepted. As this building will cost when completed over three million dollars, the manufacturers themselves were particularly interested in the matter, and each being determined the other should not have it, prices were made that certainly cannot leave a very large margin of profit to any one, but this of course is favorable to the city and county, the Hardware being furnished for about one-half of the estimate.

Regarding future business, local trade will naturally be very quiet until about the first of April; we do not expect a general revival of business until after the new crop, and then much will depend upon the price of wheat.

W. K. MORRISON & Co.

THE BOSTON TRADE.

The month just closed has been very satisfactory, and the jobbing trade have no cause for complaint as regards the amount of business, for a month which is usually considered one of the quietest of the year. Salesmen have made their first trips, and report a better feeling existing among the country merchants, and their orders for spring goods are in very satisfactory quantities.

There does not seem to be that firmness in prices that is wished, and manufacturers are still willing to make some concession from quotations made early in January. However, as trade opens we hope to see advances that may be warranted. The advance in iron and steel is encouraging to those who regard these industries as barometers of trade. Barbed Wire and Wire Nails have already felt the effect, with prospect of further advances in the future.

FRYE, PHIPPS & Co.

THE BALTIMORE TRADE.

Everything here is in the grip of King Frost. With the thermometer hovering about the zero mark, no great amount of business can be expected in this section. The recent cold snap has practically tied up shipments to river points, while along the Shenandoah Valley, Western Maryland and West Virginia, snowdrifts have rendered road travel almost impossible. Along the eastern shore of Maryland and Virginia the oyster industry is, for the time being, dead. Of course, we are doing some business, but it is not all it should be, nor, in fact, even up to expectations. A careful canvas of our neighbors assures us that we are not an exception. Letters from travelers are not entirely devoid of comforting tidings, and a break in the present severe weather would materially help to mend matters.

The incompetence of the present Congress gives but little hope of currency reform. Another bond issue of one hundred million four per cents. seems inevitable. That much of this will be taken by foreign buyers is probable. Viewed from a practical point, this may bring a temporary relief, but it certainly should be a humiliating reflection to those who have rendered such a course necessary.

THE TABB & JENKINS HARDWARE Co.

THE DAVENPORT TRADE.

Notwithstanding the heavy fall of drifting snow on the 25th ult., trade has kept up remarkably well, and the railroad service has been good; mail has been delivered nearly on time, and freight has been delivered promptly. The snow came in time to help the sale of bob sleds and sled runners, but too late for fancy pleasure sleighs or sleigh bells, many of which will be carried over.

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Rope has advanced after touching a lower point than ever before here, and the advance has stimulated the demand for binder twine. Shot advanced five cents per bag on the 1st inst., but its near relative, solder, dropped a point or so. Linseed Oil has advanced, and strictly pure white lead remains firm since the December decline of ten dollars per ton. Collections are fair, and there are no local failures to report.

Manufactnrers are working the retail trade harder and harder every year; the jobbers' margins are getting smaller and smaller every year; their expense account grows greater and greater every year; and still, with increased volume of business, they seem to get a little further from the poorhouse every year.

SICKELS, PRESTON & NUTTING CO.

THE CLEVELAND TRADE.

The indications for business for the spring are very encouraging. It looks as though we would have a steady gain over the business of last year. Nobody expects, however, that this gain will be sufficient to put business upon a par with that enjoyed in 1892, or in the early part of 1893. But it is encouraging, in so much that it shows a tendency to an improvement. With values remaining as low as they are, it is impossible to do the volume in dollars and cents unless the quantity of goods handled is very much larger, and this cannot reasonably be expected.

Staple goods, such as Wire Nails, Barbed and Smooth Wire, are in active demand, and all the mills claim to be full of orders, so much so that they have advanced their prices materially, and we have no doubt that they will be maintained some little time to come. It has been the experience for some years past that it is difficult to make prompt shipments of these articles during the spring months, and merchants who have not yet placed their orders would do well to anticipate their wants sufficiently to be sure to have them when they are wanted.

The discussion of the currency question in Congress does not seem to have had very much effect on ordinary business, as orders continue to come in as though no discussion of this kind were going on, indicating that the people at large are satisfied that the currency which they are using is all-sufficient for their purposes. It is to be hoped, however, that some plan will be advanced by our legislators, so that they will take this subject out of the field of discussion, as the tendency is to unsettle more people the longer it is kept before them.

MCINTOSH-HUNTINGTON CO.

THE GRAPHITE TRADE.

Business for the month of January has been quite satisfactory, with an increase over January, 1894, of 25 per cent. at the main office, and 25 to 33 per cent. at the branches in New York, Philadelphia and San Francisco. The principal increase applies to crucibles, pencils and stove polish, in the order named.

Encouraging features are, first: The smaller percentage of requests for "lowest possible price" accompanying orders; and, second: Orders booked for March delivery changed to "ship immediately."

We have added to our force of traveling men, and are not hesitating at any reasonable outlay toward attracting to ourselves the dealers with which this country is filled, and who are ready and anxious to put their capital into quick selling goods, as proved by the enormous number of daily inquiries for catalogues and prices. Collections cause no trouble.

JOSEPH DIXON CRUCIBLE CO.

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

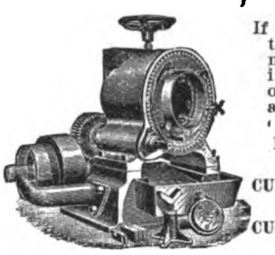
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THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

BAKING JAPANS AND LACQUERS A SPECIALTY

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
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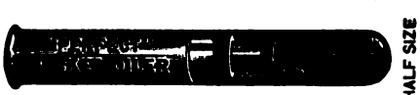
CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.

Maurice Stransky, of Stransky & Co., importers of Steel Enamel Ware, No. 27 Murray Street, New York, has just returned from a European trip. While abroad, Mr. Stransky traveled extensively in England, France and Germany, in the interest of his firm. He brings with him the sole agency of nine styles of enamel ware, manufactured in Germany. Three of these styles are entirely new. Turquoise and White, Starry Turquoise and White, and Ivory and White constitute the new lines; the others are Mosaic and White, Garnet and White, Inlaid and White, Cameo and White, Blue and White, and Cameo inside and out. They carry the Cameo inside and out in stock, and take import orders for the other eight. This ware is furnished in American shapes.

The Spokane Hardware Co., Spokane, Wash., have completed arrangements for the purchase of the stock and business of the Spokane Machinery Co. at that place, and have assumed control.

THE BEST OILER IN THE WORLD Is the "PERFECT" POCKET OILER.



HALF SIZE

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other oilers. Be sure to get a "Perfect." Price, 25c. each. Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."

CUSHMAN & DENISON 172 9th Ave., N. Y.

OHIO ICE CREAM FREEZER



A high-grade Freezer. Mechanically Correct. Fittings Accurate. Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has allthe good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

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The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)

2nd. It is the Best Razor Sharpener.

3rd. It gives the Smoothest Edge.

4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY

STROPINE CO., 62 Purchase St., Boston, Mass.

New York Office, David Eastman, Manager, 64 Reade St.

Curtis-Child Co. Shut Down.

The Curtis-Child Co., of Thirty-first and Ludlow Streets, Philadelphia, have confessed judgment to the amount of $3,050; $150 in favor of Mrs. Curtis; $900 in favor of Horace Pettit, the firm's patent attorney, and $2,000 in favor of their nickel-plating concern. The recent failure of the Pennsylvania Cycle Co., who owed the Curtis-Child Co. $17,000, is one of the principal reasons for the failure. The principal stockholders of the Curtis-Child Co. were George E. Curtis, of Philadelphia; and A. Kennedy-Child, of Hartford. The connection of both of these members with the trade is well known. It is the general hope of the trade that the difficulty will be but temporary.

Amos Harvey, who for twenty-five years past has conducted a Hardware store in Carmel, Mass., and now seventy-five years old, was found unconscious in the streets of Watertown, Mass., January 30th., not having been able to obtain any food for two days. He had undertaken to walk to Rochester, N. Y., but had to succumb to cold and hunger. Willing hands and generous hearts in Watertown provided the old man with means to reach the end of his journey. He had within a short time been worth $45,000.

Patterson, Gottfried & Hunter, Nos. 146 and 150 Centre Street, New York, are brightening up their output of Hardware, metals, machinery, etc., by the presentation to their friends of a little monograph entitled: "Helps in the Game of Poker." As this is a little game not known to Hardwaremen, their missionary effects are commendable.

The partnership existing between W. V. Taylor and J. A. McKinley, Allegheny, Pa., under the firm name of the Taylor Hardware Co., has been dissolved by the sale of the interest of W. V. Taylor to O. C. Taylor. A new partnership has been formed between O. C. Taylor and J. A. McKinley, under the same firm name of the Taylor Hardware Co., to carry on the business of the old firm.

Walter Cobb, Jr., Brockton, Mass., will soon put a new file on the market, which he claims will be a boon to all who work on soft metals, and that it "will file lead, wood, copper, brass or any soft metal without clogging; filings free themselves as easily as iron or steel filings from the ordinary files and rasps."

Crannell Morgan, who has for some time represented the W. Bingham Co., Cleveland, Ohio, in Western New York State and Northern Pennsylvania, on the first of February, left their employ to take charge of the business of the Ohio Glass & Hardware Co., Akron, Ohio.

Unique and attractive showcase mats have been prepared by the Pike Mfg. Co., Pike Station, N. H., for the purpose of showing their Scythe Stones, Table Hones and Oil Stones. These mats are 10 by 14 inches and made of dark material, with background of a lighter color.

George H. Sargent, of Sargent & Co., New York, has departed for a trip to the Pacific Coast. He was present as a guest of honor at the Hardware dinner, and immediately thereafter started for warmer climes.



A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
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Every Dealer can save a hundred times its cost by using it.

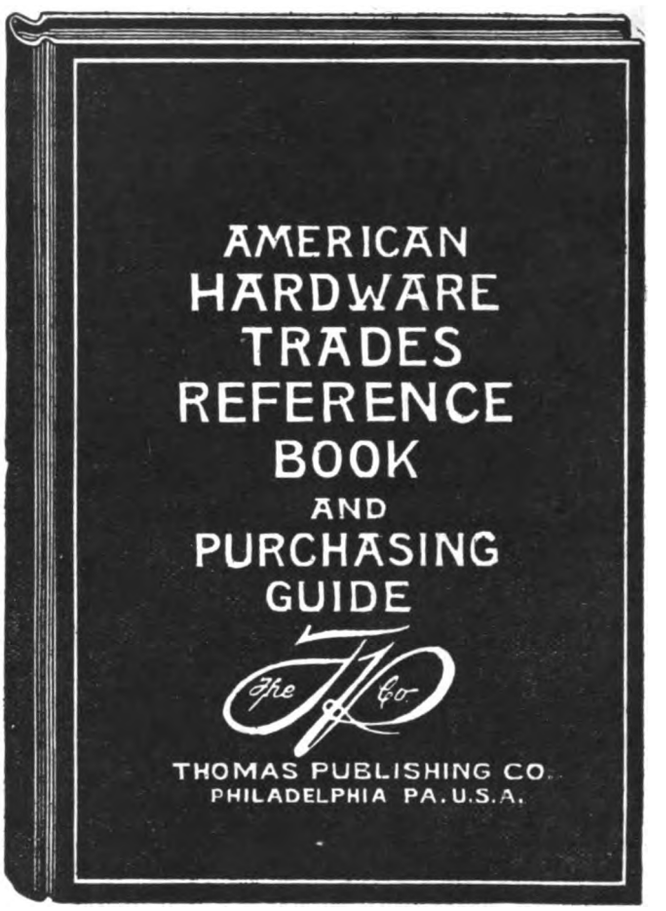
REFERENCE BOOK

FOR HARDWARE DEALERS.

To enable them to purchase to the BEST advantage.

The Names of all the Manufacturers, over 15,000, with the Financial Rating of each, including all in the U. S. & Canada of

HARDWARE of all kinds, **IRON & STEEL** of every kind, **TOOLS** of all kinds, **HOUSE-FURNISHING GOODS** of every description, **STOVES, RANGES, HEATERS,** and all kinds of



COOKING APPARATUS, and **UTENSILS, AGRICULTURAL IMPLEMENTS, MACHINES** and **TOOLS,** of every Description, and all other articles handled by the trade.

Cloth Bound, six times size of cut.

THE USE OF THE BOOK.

THE book is minutely classified by an alphabetically arranged index, naming every article handled by these trades. For instance: If you wish to find all the manufacturers of wire fence, you turn to "Wire Fence" in the alphabetical index and it will show you all the manufacturers of wire fence in the United States and Canada, arranged alphabetically by States, and the amount of capital invested by each in the business, showing which is the largest, etc. If you desire to know who makes the "Eureka" brand of fencing, you can find it in the same way. The same applies to every article and every special kind or brand of article handled by these trades.

A subscription to the book includes the free use of our library of Directories, Reference Books, Catalogues, etc, for any information desired.

For Sale by the Hardware Publishing Co., 143 Chambers St., New York.

Price $5.00, Express prepaid to any part of the U. S.

Also, Directories of Hardware Implements and Sporting Goods Dealers of the U. S. and Canada, with ratings.

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111 Madison St., Chicago. } BRANCHES { 708 Locust St., St. Louis.

DRAWING MATERIALS AND SURVEYING INSTRUMENTS.

WRITE FOR

KEUFFEL & ESSER CO.'S CATALOGUE of 1895.

26th EDITION.

Enlarged by over 100 pages, the most complete and reliable catalogue, representing the largest and most complete stock in this line.

Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.



The Perfect Egg Beater, Nickel-Plated.

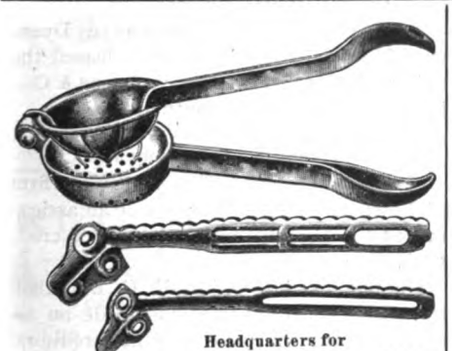
Ask for a Catalogue.





Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by - - - **F. H. WEEKS, Akron, Ohio.**



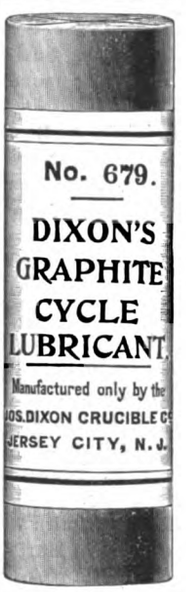
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We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,
Jersey City, N. J.

A GREAT LEADER for you is

WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use. Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,
41 Montello St., Brockton, Mass.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

Factory For Sale.

FACTORY at Whitestone for sale (30 minutes from New York), with boilers, 15 horse-power engine, machinery, tools, etc. Price, $5,000; terms, $2,000 cash, balance on mortgage at 6 per cent., if desired. Located on L. I. R. R. and the Sound, affording cheap water freights. Very advantageous for any light manufacturing, such as metal work, novelties, hardware, etc. Lot 50x100, facing on two thoroughfares; three story brick building 30x90, with boiler and engine annex building. Address "Factory," P. O. Box 2718, New York City.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Situations Wanted.

WANTED—Position as Hardware salesman. Wholesale or retail. Have had many years' experience. Address J. Carpenter, Marion Avenue, Fordham, N. Y.

IN either retail or wholesale Hardware store, by a young married man, 31 years of age. Fifteen years' experience in the retail trade, also several years' experience in the agricultural implement and buggy business. Address J. P. N., Lock Box 63, Monticello, Ind.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Aiken, S. C.—C. R. Allen & Co.
Arcadia, Wis.—John A. Young.
Canten, S. Dak.—F. H. Treat.
Cartwright, Wis.—D. J. Cartwright.
Cedar Rapids, Iowa. — Stephanek & Vondracek.
Colton, Cal.—Fred Cooley.
Cortland, N. Y.—Gleason & Lane.
Dresden, Ohio.—Eugene Welch.
Dubuque, Iowa.—B. Weber.
Garden Grove, Iowa. —Stearns Bros. & Co.
Hallowell, Me.—H. P. Getchell.
Harriman, Tenn.—Shaw & Pierce.
Kentland, Ind.—Lee Ross.
Menasha, Wis.—George Loescher.
Oblong, Ill.—W. R. Bottenfield.
Opelika, Ala.—J. L. Galbraith.
Oxford, Ohio.—John S. Spoerl.
Philadelphia, Pa.—Charles H. Ayres.
Plymouth, Pa.—William Morgan.
South Manchester, Conn.—F. T. Blish.
Spartanburg, S. C.—G. A. Lethco.
Watertown, N. Y.—N. C. Hinsdale.

Record of Changes.

Cambridge, N. Y.—Robert Watkins has opened his Hardware store, recently purchased of H. R. Eldredge & Co.

Chillicothe, Ohio. — Gillum & Secrest, Hardware, which was dissolved by the retirement of Mr. Secrest, will be carried on by Gillum and Albert Spetnagel. The new firm will be known as Gillum & Spetnagel.

Corry, Pa.—Barlow, Brigham & Follett Co., Hardware, reported having dissolved partnership.

Dawson, Pa.—C. O. Schroyer has taken charge of the Hardware store recently purchased from C. C. Ruse & Sons.

East Bloomfield, N. Y.—John O'Neil has purchased a one-half interest in the Hardware store of Daniel McWilliams.

East Palestine, Ohio.—Hugh J. Fraser has purchased J. C. Taggart's interest in the Hardware business of Fraser & Taggart.

Fort Madison, Iowa.—J. W. Connelly, of West Point, Ill., has purchased a half interest in the Link Hardware Co., and the firm name in the future will be Link & Connelly.

Grand Rapids, Mich.—D. J. LeRoy, formerly with Vander-Veen & Witman, has gone into partnership with J. K. Failing, the South Division Street Hardware dealer.

Greenwood, N. Y.—The Hardware firm of Smith & Shaw have been dissolved, Mr. Smith retiring; and Charles Austin has become a member of the firm of Shaw & Austin.

Hamilton, Mo.—F. A. Martin & Co., Hardware, reported as having dissolved partnership.

Kingston, N. Y. — The old-established Hardware business of Jansen Hasbrouck has been purchased by Conrad E. Hasbrouck.

Kingston, N. Y.—The firm of McMillan & Johnston, the Hardware merchants, have dissolved, the retiring member being Mr. McMillan. The business will be continued by Mr. Johnston, who will have S. D. Coykendall as a special partner.

Mansfield, Pa.—Jacob Schieffelin has sold his Hardware business at Tioga to ex-Commissioner William Kimball.

New Wilmington, Pa. — The Hardware store on the east Diamond has changed proprietors. J. A. Gleen has sold it to Barnes Bros. and they have taken charge.

North Franklin, Me.—C. M. Davis has sold his Hardware business to the Phillips Hardware Co.

Owatonna, Minn.—Thon Bros. have dissolved partnership, and hereafter the Hardware business will be carried on by John Thon.

Salem, Mass.—The Salem Hardware Co. are to go out of existence, and this firm will be succeeded by Frank S. Fowler and John Morrison, the latter having been identified with the business for some time, in company with Mr. Murphy, who has retired from the firm.

Schoharie, N. Y.—A. M. Allen, for the past fourteen years in the Hardware business at Prattsville, will sell out and remove to Conesville.

Shinglehouse, Pa.—F. E. Gale & Bro. have removed their stock of Hardware to Genesee Forks, Pa. Frank E. Gale has moved there and will have charge of the new Shinglehouse store.

Sparta, Wis. — Edward Everett's Hardware store has been bought by William Noble.

Springfield, Mass. — Charles C. Lewis, Hardware, Nos. 30 and 32 Lyman Street, succeeded by the Charles C. Lewis Co.

Sunnyside, Wash.—Fred Crabbe has sold his interest in the Sunnyside Hardware Co. to the senior partner, Bruce M. Brewer, who will conduct the business alone.

Templeton, Mass.—The firm of Smith & Haskins, at the Highlands, dealers in Hardware, etc., has been dissolved by the retirement of Mr. Haskins, and a new firm has been formed, under the name of Smith & Jefts, who will continue the business at the old stand.

Trenton, Mo.—Will Berry has purchased the entire Hardware stock of P. W. Bain & Son.

Watertown, N. Y.—The firm of Sponenberg & Waddingham, Hardware dealers, have dissolved. Fred Waddingham retires, and H. M. Sponenberg continues the business.

Waukegan, Ill.—R. T. Perine, Hardware, sold out to James F. Hull and Harry A. Bangs, and will retire from business. The name of the new firm is Hull & Bangs.

West Randolph, Vt.—C. C. Whitten, of the firm of Whitten & Temple, Hardware merchants, has purchased his partner's entire interest in the business and taken possession of the store.

Record of Improvements.

Eureka, Ill.—W. H. Peard has moved his Hardware store into the building he purchased a few months ago.

Fort Edward, N. Y.—Mayor Bowtell is improving the appearance of his Hardware store by having a hardwood floor laid therein.

Gap, Pa.—C. L. Kauffman & Co. will remove their Hardware store into the Post Office block after the present repairs and changes are completed.

National City, Cal.—The Hardware firm of Mudgett & Nichols have moved their stock of goods into the Steel block, on National Avenue.

Ottoville, Ohio.—Charles Wannemacher & Son have moved their Hardware store to their new building, and are getting things in good shape.

Pueblo, Col.—Andrus Brothers, dealers in shelf and heavy Hardware, have moved from No. 120 West Fourth Street to No. 115 West Fourth.

Sodus Centre, N. Y.—R. S. Borradaile has changed his stock and moved into his large new Hardware store, with tin shop in the rear. He intends to keep a regular line of Hardware, stoves, tinware, etc.

Terre Haute, Ind.—Finkbiner & Duenweg, Hardware merchants, have leased the building recently occupied by Swope & Co., jewelers, and will enlarge their business.

Business Embarrassments.

Hamilton, Canada.—The Hardware firm of Bowman & Moore have made an assignment to T. H. Pratt for the benefit of creditors.

McConnellsville, Ohio.—F. C. Burckholter, dealer in Hardware, has made an assignment for the benefit of his creditors. The business has been reorganized under the name of the Burckholter Hardware Co.

Moscow, Idaho.—M. J. Shields & Co., Hardware and implements, closed by sheriff on attachments issued against them for $55,000.

Mt. Holly, N. J.—Samuel T. Engle, Hardware and agricultural implement dealer, has made an assignment. The preferred claims amount to $8000.

Parkersburg, W. Va.—C. J. Bosbury & Son, the well-known Market Street Hardware dealers, whose store is a No. 609 Market street, have made an assignment for the benefit of their creditors to W. N. Miller, trustee.

Burglaries in Hardware Stores.

Denver, Col. — Meyer's Hardware store, $150.

Gallipolis, Ohio.—J. M. Kerr & Co., revolvers.

Palmyra, Neb.—O. Waite, cutlery.

Fires in Hardware Stores.

Barnesville, Ohio. — McKeever's Hardware store, damaged in recent fire.

Dow City, Pa.—J. N. Wise, Hardware dealer, store destroyed by fire. Loss, $2500; insurance, $2000.

Macon, Ga.—Dunlap & Co., Hardware dealers, store destroyed by fire. Loss, $6000; insured.

Orbisonia, Pa.—B. F. Fink's Hardware store, damaged by fire. Partially insured.

Union City, Pa.—The Hardware store of Hayes & Sons has been burned. Loss, $5000.

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IF THE DUPLICATE ORDERS

which we are daily receiving for **New Clippers** are any indication of business, there is little doubt but we shall be crowded to our utmost capacity to supply our trade again this season, notwithstanding our increased facilities. The Hardware trade are beginning to realize that it pays to place their orders

FOR OUR BICYCLES

with the maker direct, as he gets certain favors and advantages which are impossible from any other source. We try to please our trade. If **any responsible** dealer will send an order for any one of our wheels, we will agree to send it promptly, and if he does not believe it to be worth the price we ask, he may return it at our expense.

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

Makers of **Bicycles Built for Business.**

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The **Frictionless Falcon** Wins With **Big Ball Bearings**



Little Ball Bearings



15 BALLS MEAN **75** POINTS OF CONTACT

9 BALLS MEAN ONLY **45** POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

"Birds of a Feather," etc.

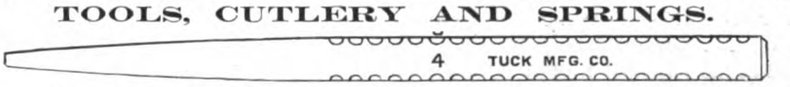
A few of the leading Hardware Flock fly their colors under the

GOLD CRANK FALCON BANNER.

Albany Hardware and Iron Co., Albany, N. Y.
Schreiber, Conchar and Westphal Co., Dubuque, Iowa.
Janney, Semple Co., Minneapolis, Minn.
Beck & Corbitt Iron Co., St. Louis.
Gray Fall Company, Nashville, Tenn.
Geo. Tritch Hardware Company, Denver, Colo.
Geo. Wolf Alexander, San Francisco, Cal.

For Falcon Catalogues ADDRESS **YOST MFG. CO., TOLEDO, OHIO.**

TUCK MFG. CO., ESTABLISHED 1852. **BROCKTON, MASS.**
TOOLS, CUTLERY AND SPRINGS.



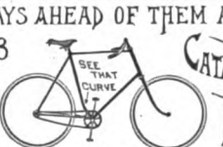
The popular Corrugated nail sets are made in five sizes with Round, Square or Hollow Points.

Send for Tool Catalogue.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED line** 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Boston, Mass.—The Ramsdell & Rawson Co., incorporated, with Otis Rawson, president; F. M. Ramsdell, vice-president, and L. W. Rawson treasurer and general manager. The capital stock is $5400, and the company will manufacture bicycles and do repairing, manufacture rubber tire wheels and do a general machine jobbing business. Their principal place of business will be at Worcester, Mass.

Cleveland, Ohio.—The Winton Bicycle Co. have opened a new bicycle and riding school in the old Cyclorama building, which has a floor of 14000 square feet. The Winton Co. have coined a new word, and called their school the Biclorama.

Fitchburg, Mass.—S. T. Francis, bicycles and sporting goods, has opened a new store in the Y. M. C. A. building.

Franklin, Ind.—Harry Bridges and Nat Lacey, under the firm name of Bridges & Lacey, will open a new bicycle store and will have a repairing department. They will also do a renting business. Correspondence invited with manufacturers of bicycles and bicycle sundries.

Middletown, Conn.—The Middlesex Rubber Works will open a New York agency, and will commence the manufacture of tires for bicycles. The capital stock of the company is to be increased.

New York, N. Y.—Arthur Collins & Co. will open a new bicycle store and riding school at the corner of Eighth Avenue and Twenty-third Street. They have recently entered into a contract with the Pope Mfg. Co. to handle the Columbia.

New York, N. Y.—The Pierce-Thompson Cycle Co. is the name of a new combination, with stores at No. 107 Chambers Street and No. 91 Reade Street, controlling all down town territory for the Pierce cycles.

New York, N. Y.—William Stellwagen, No. 15 West Twenty-seventh Street, is reported to be organizing a company to manufacture a new patent bicycle, dispensing with the pneumatic tire.

Northampton, Mass.—The Hampshire Cycle Co. is a new firm, composed of Tainton, McAlpine and C. E. Herrick. The new concern will manufacture and deal in bicycles.

Oswego, N. Y.—The C. B. Rice Bicycle Co. have secured quarters, consisting of 4000 square feet of room, in the Oswego Machine Works. Nearly all of the new machinery is in place and running. Delay caused by a fire puts the company behind in its work, and the employees are now working night and day to catch up.

Parsons, Kan.—Johnson & Steele, bicycles, etc., have opened business.

Portland, Me.—W. I. Twombly is reported organizing a stock company to manufacture bicycles, pleasure launches, etc.

South Manchester, Conn.—F. T. Blish, bicycles, sporting goods, etc., is preparing to open a new store.

Springfield, Mass.—F. M. Coe & Co., new bicycle firm, composed of Frank M. Coe and Orville P. Townsend. They will handle the Columbia wheels.

Syracuse, N.Y.—The Barnes Bicycle Co., recently reported incorporated, with a capital stock of $100,000, has elected the following officers: C. F. Saul, president; H. S. White, vice-president; C. A. Bridgeman, secretary and treasurer.

Syracuse, N. Y.—D. McCarthy & Co. announce their intention of going into the bicycle business, with A. E. Post in charge.

Syracuse, N. Y.—Dey Brothers & Co. announce that they will establish a bicycle department, having arranged to handle a wheel manufactured by the National Sewing Machine Co., at Belvidere, Ill. They will also handle sundries and maintain a bicycle repair shop.

Toledo, Ohio.—Al. Peter will commence the manufacture of bicycles. Twenty thousand dollars worth of machinery has been purchased for this purpose, and the new plant will be run in connection with a sewing machine factory of the Union Mfg. Co. Two hundred men are to be employed.

Utica, N. Y.—Charles H. Child & Co. will add a bicycle department, doing a jobbing and retail business in bicycles and sundries. Bradford R. Devine, formerly with A. G. Spaulding & Bro., of New York, will be manager of the department.

Villisca, Iowa.—C. W. Brelsford, Hardware and vehicles, has opened a new store, and will take up bicycles. Correspondence is invited with manufacturers of bicycles and bicycle sundries.

Washington, D. C.—C. L. Palmer & Co., bicycles, are preparing to open a new store at No. 431 Tenth Street, N. W.

Washington, D.C.—William T. Robertson & Co., manufacturing the Elk bicycle and bicycle sundries, are preparing to commence business at No. 429 Tenth Street, N. W.

Worcester, Mass.—The Spiers Mfg. Co., sporting goods, opened a new store at No. 279 Main Street. The primary object of the new enterprise is the sale of the company's bicycles. In addition will be carried a full line of sporting goods.

Changes and Removals.

Champaign, Ill.—F. A. Wilske & Co. bicycles, succeeds F. A. Wilske, John Beardsley having been admitted to an interest in the business. The new firm are making considerable improvement in the salesrooms.

Chester, Pa.—Thomas Swanger, bicycles, will move to larger quarters in the James building, No. 514 Market Street. He will make a specialty of bicycle repairs.

Cheyenne, Wyo.—Duffy & Erswell, bicycles, have been succeeded by Alex. Duffy.

Chicopee, Mass.—The Lamb Co., manufacturers of bicycles, sporting goods, etc., have moved into new factory building and are now in operation.

Elizabeth, N. J.—F. C. Gilbert & Co., bicycles, bicycle sundries, etc., are succeeded by the Gilbert & Chester Co.

Peoria, Ill.—Rouse, Hazard & Co. announce that they have begun to manufacture their own wheels instead of having them built by other makers. This firm is now entering upon its sixteenth year.

Richmond, Ind.—F. E. Henderson & Co., bicycles, etc., are arranging for a location of works, and will transfer the entire business to this city.

Santa Barbara, Cal.—C. R. Jordan, bicycles, is succeeded by Jordan & Co.

Thompsonville, Conn. — The Wooden Frame Bicycle Co., of Boston, will probably locate its plant in this place. Negotiations ard now pending between representatives of the company and prominent business men.

Waco, Tex.—A. Q. Woodworth, bicycles, is succeeded by the Woodworth Cycle Co.

Washington, D. C.—F. S. Cahill & Co., bicycles and sundries, at No. 1711 Pennsylvania Avenue, dissolved co-partnership. George W. Ribble and Lewis Miller retire from the firm. Frank S. Cahill will collect all debts and pay all liabilities.

New Goods and Improvements.

Brooklyn, N. Y.—J. H. Williams & Co. are putting on the market an improved bicycle wrench.

Recent Fires.

Port Huron, Mich.—George Yokom, bicycles, store on Sixth Street, was damaged by fire to the extent of $600. No insurance; policies having expired January 1st and not renewed.

Miscellaneous.

Chester, Pa.—Thomas L. Briggs, bicycles, has signed a contract with the Pope Mfg. Co. for the handling of the Columbia.

Davenport, Iowa.—C. W. Pierce desires correspondence with manufacturers of bicycles and bicycle sundries.

Michigan City, Ind.—Smith & Ball, superintending the bicycle factory in the State Prison, announce that the factory will be in operation within a month.

New York, N. Y.—Adjustable Easy Riding Saddle Co. are endeavoring to interest additional capital in their enterprise. George B. Throop, president of the American Typewriter Co., is the principal party interested in this company. Recent changes have been made in their saddle, having lightened it three-quarters of a pound.

Thompsonville, Mass.—The League Bicycle Co., of Hartford, Conn., reported negotiating, looking to the transfer of the plant to Thompsonville.

Wappingers Falls, N. Y.—S. R. Brown is offering a bicycle tire factory for sale or rent.

Los Angeles, Cal.—An attempt is being made to form an organization of the cycle dealers of this place. The object is to establish a uniform price for all wheels of the same grade, regulate the payment system and the guarantee, and to take such other action as seems best for the trade. All dealers in Southern California are eligible, and are invited to join the association.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

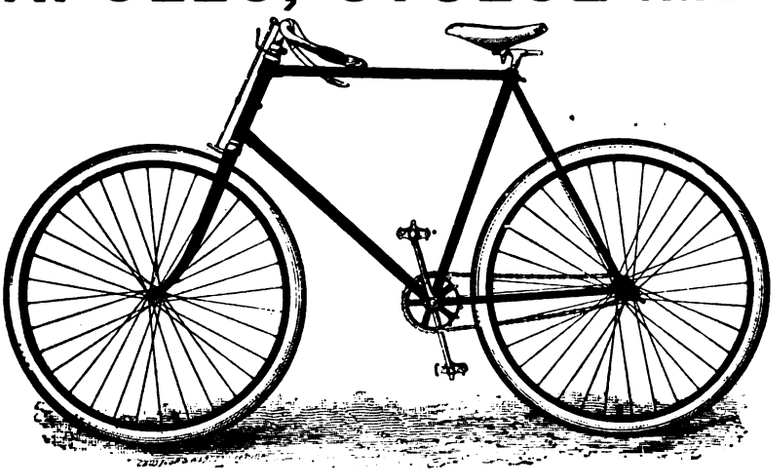
LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS

APOLLO, CYCLOE AND FAIRY BICYCLES



HIGH GRADE
For
$75.00,
List.

The "APOLLO." 28-inch Wheels, Ball Bearing Throughout; Morgan & Wright Tires. Weight, all on, 24 lbs.

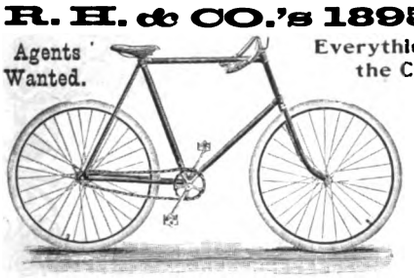
The "CYCLOE." (Boy's) 24 and 26-inch Wheels; All Ball Bearing.

The "FAIRY." (Girl's.) 24 and 26-inch Wheels; All Ball Bearing.

Send for Catalogue.
EDW. K. TRYON, JR. & CO.,
PHILADELPHIA.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.
Highest and Medium Grades, all sizes and weights.

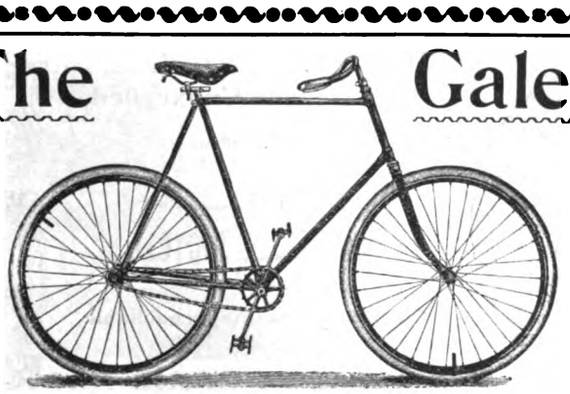
EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade), -	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade), - -	75.00
OVERLAND, 28 in. for Ladies and Gentlemen, -	65.00
OVERLAND, 26 in. " " " " - -	50.00
OVERLAND, 24 in. for Boys and Girls, - - -	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs, 225 G St., Peoria, Ill.

The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
20 lbs., $90.00; 24 lbs., $80.00; Ladies', $85.00.
Improved on last year's at every point
AGENTS SOLICITED. LARGE DISCOUNT TO DEALERS.

A Bicycle

MADE FROM

Aluminum

is better than one made from
STEEL

Two years' service has PROVEN this. ◆ ◆ ◆

IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-mi-num is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. G. Co.,
Capital, $500,000.00 St. Louis, Mo.

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HARDWARE DEALERS SHOULD HANDLE

HELICAL PREMIERS, 1895.

American-made throughout. All constructed of our famous Helical Tubing.
Up to date in every particular. Lightest and Strongest.

All One Price, $100.

Roadster

28-inch wheels; 9½-inch head; 23-inch diagonal; 43½-inch wheel base; swaged spokes; 24 and 32; wood rims; dust proof bearings; dtachable sprockets; T saddle post; gear 64, 68 or 72 as desired; 18-inch handle bar, raised or dropped; tread, 5½ inches. Weight, 18 to 20 lbs. **$100.** Brake and guards fitted if desired.

Racer

26-inch wheels, other details as above, lightest tires and saddle. Weight, 16 lbs. **$100.**

☞ **It was on a Helical Premier Racer that Wheeler beat Zimmerman two straight races. VERB SAP!**

Ladies'

26-inch wheels, double, drop-frame of Helical Tube. Weight, complete with chain and wheel guards brake and foot rests, 20 lbs. **$100.**

By the use of Helical Tubing we build a drop-frame that is as stiff and strong as a diamond. Ladies who wish to ride on equal terms with gentlemen, but who object to "bloomers" will do well to note this fact in choosing their 1895 mount.

Here's the Proof.

We claim that our Helical Tube is far stronger than weldless tube and hence more desirable for the frames of bicycles. Business claims, however, have not always been substantiated and as some of our competitors (all of whom are confined to the use of ordinary tubing) have made misstatements about Helical Tube, we have submitted to the highest recognized authority, the Government of the United States, bicycle frames and tubes constructed of Helical and the best grades of weldless for test. A copy of the official report will be found in our reading columns, page 55.

PREMIER CYCLE M'F'G. CO., New York.

1895 1895

The Monarch

IS THE NAME OF THE BICYCLE THAT HEADS THE PROCESSION.

Weights are light, Prices right, and the Wheel—is "out of sight."

OUR 1895 PATTERNS ARE THE ACME OF MECHANICAL PERFECTION.



Designs Unequaled, Materials Unexcelled, And, for a HIGH GRADE BICYCLE

See them and be Convinced.

Our Prices are Unapproachable

Weights, 18 to 25 Pounds.

Prices, $85 and $100.

C. F. Guyon Company, Limited, Managers.

MONARCH CYCLE CO.,

Eastern Branch: 97 & 99 Reade Street, New York.

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SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

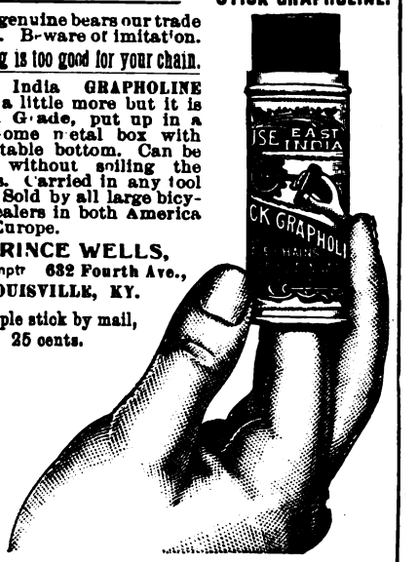
The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

ANDRAE CYCLES

SHOW:
INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION
They last for years
JULIUS ANDRAE
MILWAUKEE, WIS. U.S.A.

TUDOR IRON WORKS,

ST. LOUIS.

Manufacturers of

HARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

PURITAN

Perfect alignments
Unequalled finish
Record pedals
Improved bearings
The best chain
Adjustable handle bar
Narrow tread

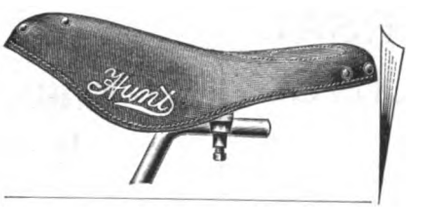
O. J. FAXON & CO.,

Manufacturers,

3, 5 & 7
Appleton Street,

BOSTON, MASS.

SEND FOR CATALOGUE.



Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information.

HUNT MANUFACTURING CO.,
Westboro, Mass.

R. B. McMULLEN & CO,
Chicago, Ill. and New York

For 1895

We respectfully solicit your orders for

Pieced Tin-ware,
Stamped Tin-ware,
Japanned Tin-ware,
Black Sheet Iron-ware,
Galvanized Sheet Iron-ware,
Enamelled Ware,

and guarantee satisfaction, both as to quality and prices.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

Manufacturers,

St. Paul Ave. and 15th Street,
MILWAUKEE, WIS.

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WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.

It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade.
Electros Free for Catalogue Purposes.

Sole Manufacturers,

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

Buy The "Superior" House Gate Hinge.



IT HAS NO EQUAL.

Sample model gate with first order for one dozen of these hinges.

MANUFACTURED BY

FRANCIS KEIL & SON,

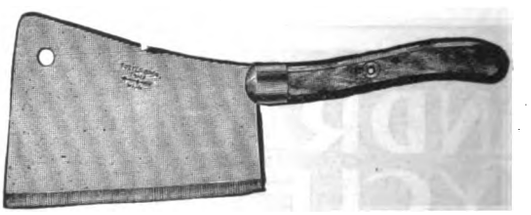
New York, U. S. A.

John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK

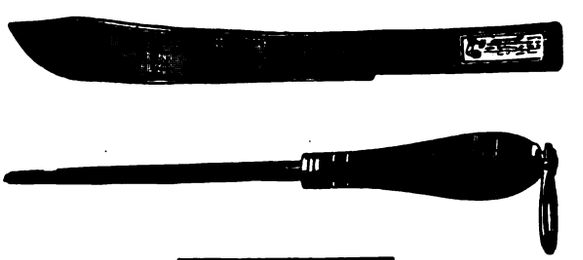


SOLE AGENTS FOR



Foster Bros.'

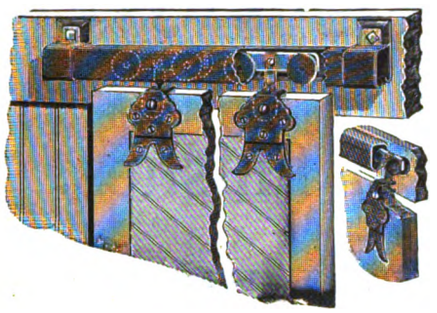
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

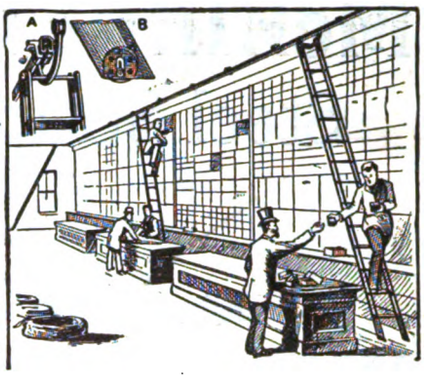
Parlor, Barn and Fire Door Hangers.

SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.



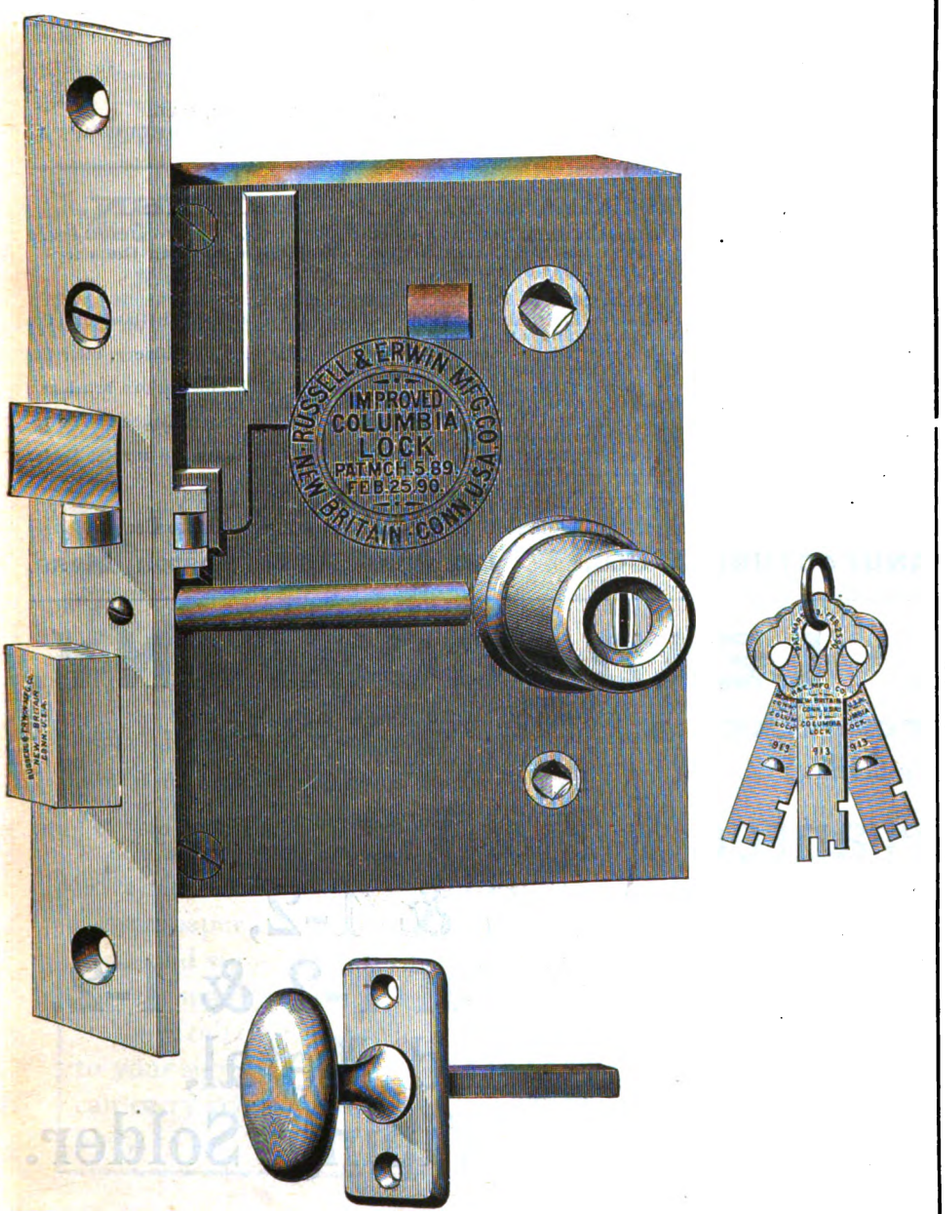
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS

Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.



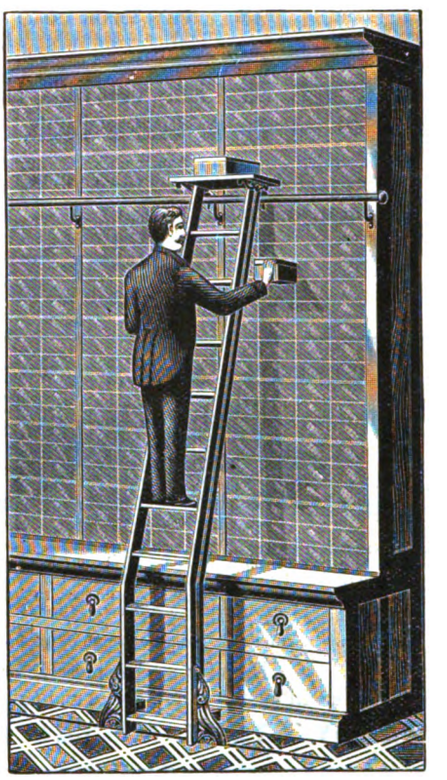
Front Door Lock, No. C1230.

The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Write us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & Co., 80 John St.

IF IN WANT OF

Copper Tacks

OR

Brass Shoe Nails,

ADDRESS

Rome Tack and Nail Co.,

ROME, N. Y.

McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1801.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1842.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILD NG, 199 WASHINGTON ST., BOSTON, MASS
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREFT, PHILADELPHIA, PA

THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearan e. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten, blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses which it may be put are:

Polishing Stoves, Ranges, etc , it has no equal.

Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.

Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.

Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where once used it is "a joy forever."

Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.

Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.
We will quote you low prices and only ask a trial order. 2 kinds of mitten and dauber made, both kinds samples 30c. to Dealers.

HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street Boston, Mass.

NATIONAL LEAD COMPANY,

No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

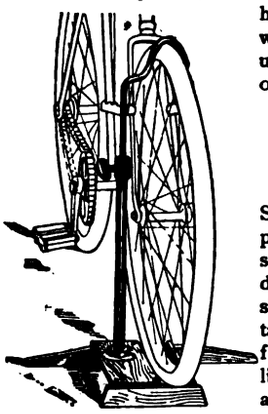
The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

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The Pittsburg Stand.

Simple, Strong, Portable, Cheap and Best, For Use in Salesroom, Club House or Home.

The demand by dealers for a Stand that will hold a bicycle erect, without being easily upset, is fully met in our improved



PITTSBURG STAND.

Substantial, no frail parts, quickly and securely attached or detached, fits all sizes and styles, attached to either front or rear wheel, light, ornamental and simple.

WILL HOLD A BICYCLE UP

and when attached the machine may be moved about at will. Guaranteed to give satisfaction.

PRICE, $1.00 EACH.

For sale by Leading Bicycle Dealers.

MANUFACTURED BY

WM. M. JUSTICE & CO.,

PITTSBURG, PA.

Liberal Discount to the Trade.

WIRE GOODS.

WIRE TOWEL RACKS, GARMENT HANGERS, SLING SHOTS, EAGLE GAS STOVES, POTATO MASHERS, &c.

Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO., New Haven, Conn.

An Advertisement

If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS

THE BEST

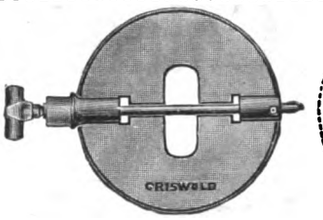
For GAS or GASOLINE STOVES.

Easy to Clean.

LONG WOOD HANDLES.

BUY NO OTHER.





Wood or Nickel Handle.

Ask for the

AMERICAN: BEST SELLER.

BUY NO OTHER.



JUST OUT

BEST CLIP MADE.

Send for Samples.

Griswold Mfg. Co., Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO.

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

"WIRE HANGERS."

WRITE FOR PRICES TO THE



12 STYLES FOR Ladies and Gents Garments.

BARBER-KOENIG MFG. CO., No. 115 North Vine St., Hazleton, Pa.



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The Columbia TACK PULLERS.



No. 2, ¼ size.

TAKING UP CARPETS is hard enough work under the best conditions, and no Hardware Dealer can afford to supply his customers with any appliance that is not a help. These goods received the Highest Awards at Chicago and San Francisco---gold medals for merit---are strong, durable and efficient. The jaws are fine steel, properly tempered, firmly set in selected wood handles, enameled. They are made to "pull" and they do it. No. 1 costs $1 a doz. net. No. 2 $1.50 a doz. net; less in gross lots. Your Jobber may have them. If not address us.



No. 1, ¼ size.

The American Specialty Co., Hartford, Conn.

Lucas Lamps for 1895

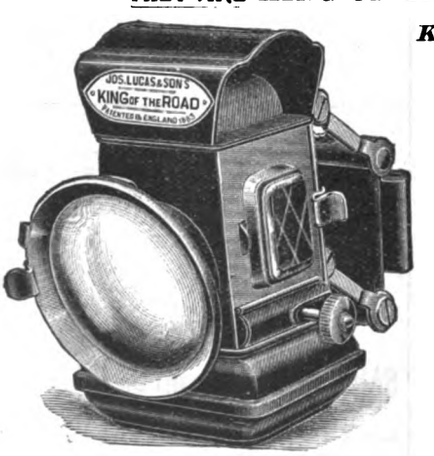
Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD, KINGLET, TOURA, CAPTAIN, MIDGET, LUCENT, PLANET.*



Toura.

RECOGNIZED by the trade AS the BEST.



King of the Road, 000.



Planet.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

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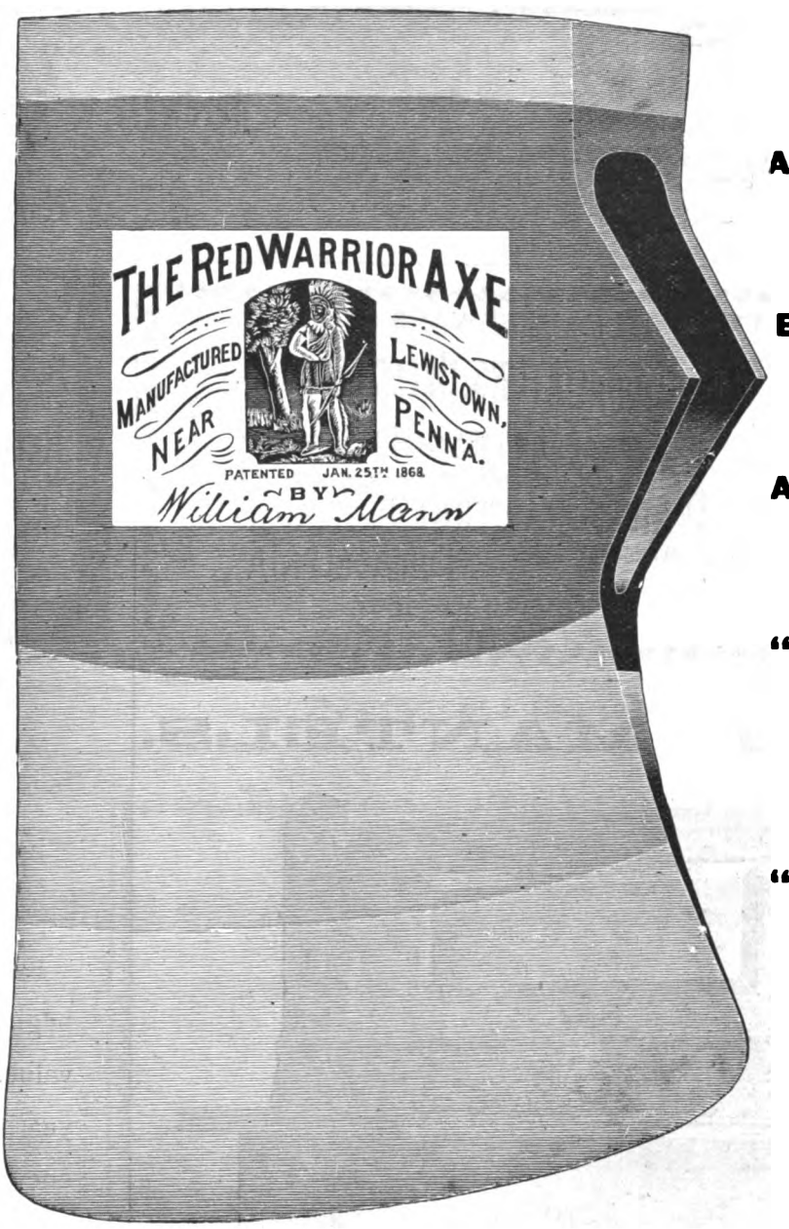
THE AMERICAN AXE AND TOOL CO.,

Telephone Number, 1023 Cortlandt.

253 BROADWAY, - NEW YORK.

MANUFACTURERS OF

BLOOD,
HUNT,
LIPPINCOTT,
REDWARRIOR,
MANN,
HURD,
PEERLESS,
JAMESTOWN,
ROMER,
FRANCIS,
SHARPS,
UNDERHILL,
STEWART,



Brands of

AXES,
HATCHETS,
BROAD AXES,
and
ADZES,
also
"BLOOD'S"
CHAMPION
and
"HUBBARD'S"
DIAMOND
BLADE
SCYTHES.

Beware of Imitations!

The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

Grass Hooks, Corn Knives, Bush Hooks, Ice Picks, Ice Axes, Ice Hatchets and Firemens' Axes, Wood Chisels, Picks, Mattocks, Brick Hammers, Box Openers, Ice Chisels, Butchers' Handled Axes, Meat Hatchets.

ALWAYS IN STOCK:

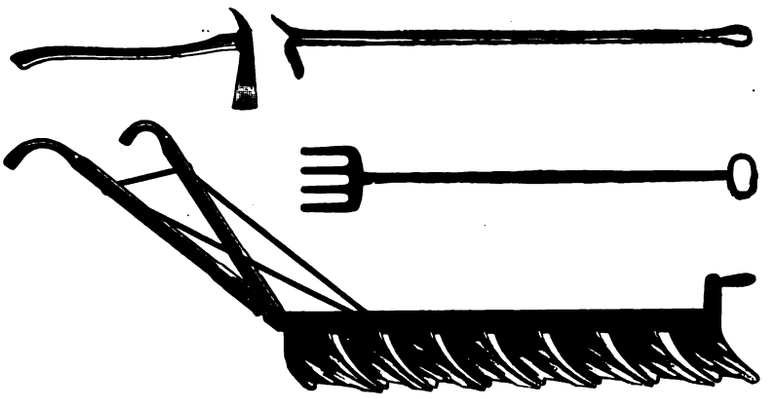
Best Leading Brands of Axes and Edge Tools. Cheap Handled Axes. Medium Grade Axes. Boys' and Hunters' Axes.

JOB LOTS of AXES, ALL GRADES and PATTERNS.

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware and Agricultural Implements.

Send for Price Lists.

ADAPTED FOR SALE IN HARDWARE STORES

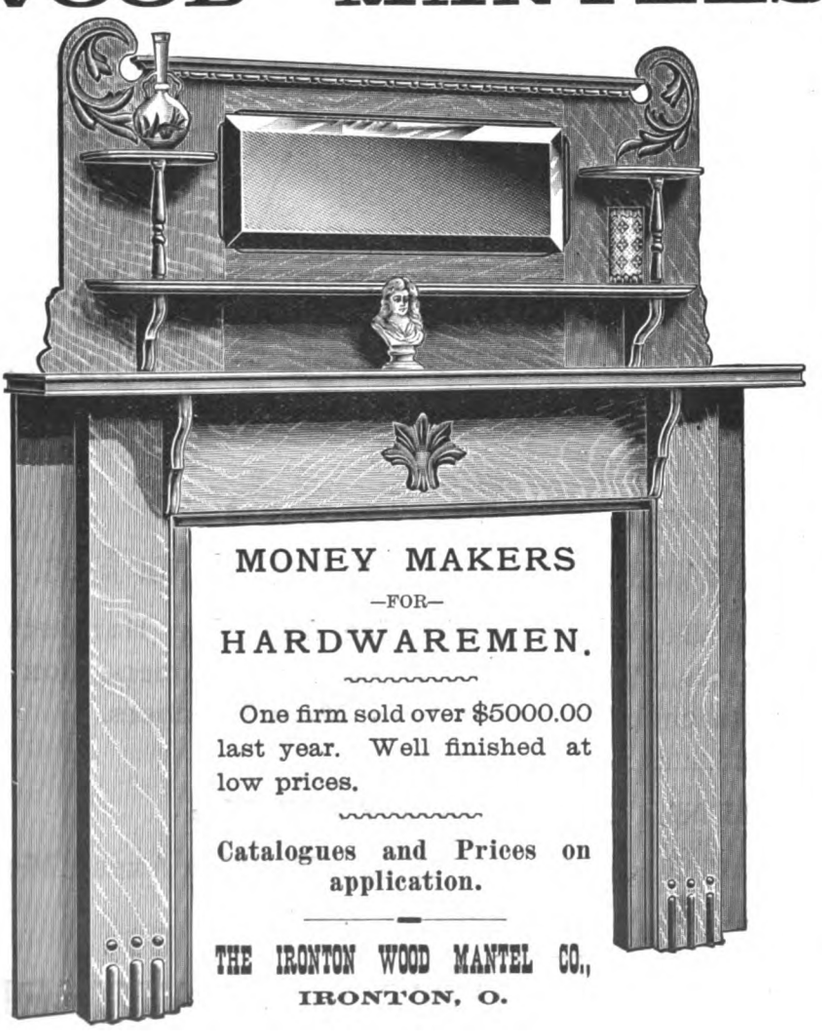


Send for CATALOGUE and mention "HARDWARE."

ANNUNCIATORS. BELLS. BATTERIES.
AND ALL SUPPLIES FOR HOUSE WORK.
CATALOGUES AND QUOTATIONS ON APPLICATION.
PARTRICK & CARTER CO. No 125 So Second St.
MANUFACTURERS PHILADELPHIA.
ESTABLISHED 1867.



WOOD MANTELS.



MONEY MAKERS
—FOR—
HARDWAREMEN.

One firm sold over $5000.00 last year. Well finished at low prices.

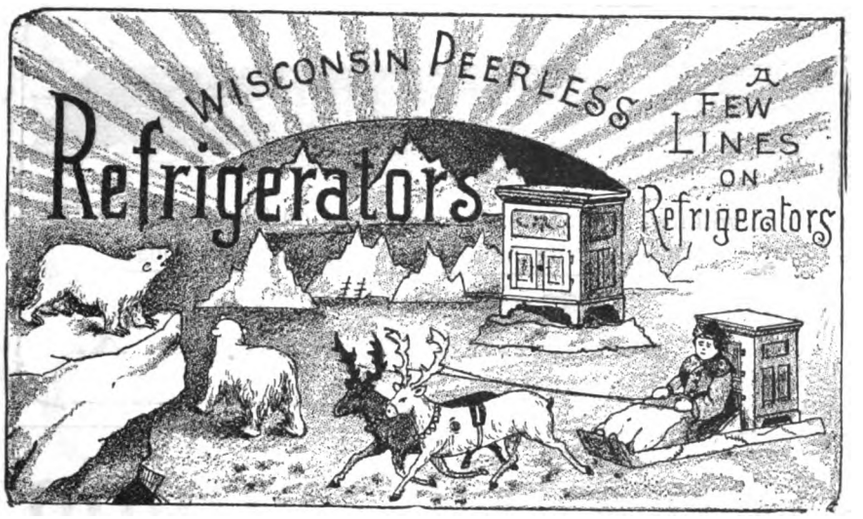
Catalogues and Prices on application.

THE IRONTON WOOD MANTEL CO.,
IRONTON, O.

PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

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FROM DEALERS LOOKING FOR THE

Best Refrigerator Made

We solicit an opportunity of presenting the merits of our

"WISCONSIN PEERLESS."

Mineral Wool Filling. Absolutely cleansable. More and better talking points than all other makes combined. Absolute guarantee. Seventh season. For Catalogue address

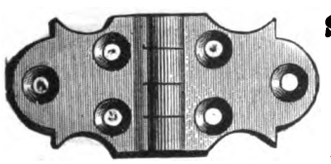
The Wisconsin Refrigerator Co., Eau Claire, Wis.

New York Office: Ross & Fuller Am'n, 38 Chambers St.

New England Office: 175 Hanover t., Boston, Mass.

Philadelphia Office: Reeves & Smiley, 129 N. 2nd St.

Climax Refrigerator Door Fastener.

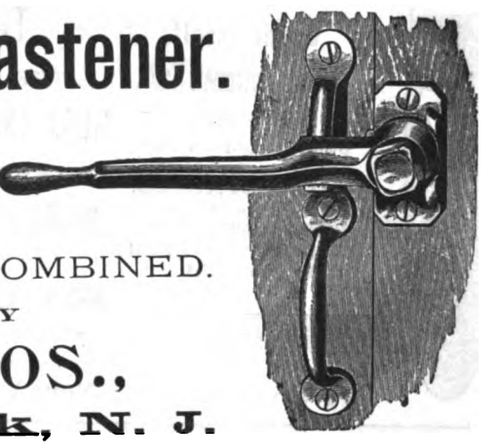


We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

Simple,
Durable,
Practical

HANDLE and WEDGE COMBINED.



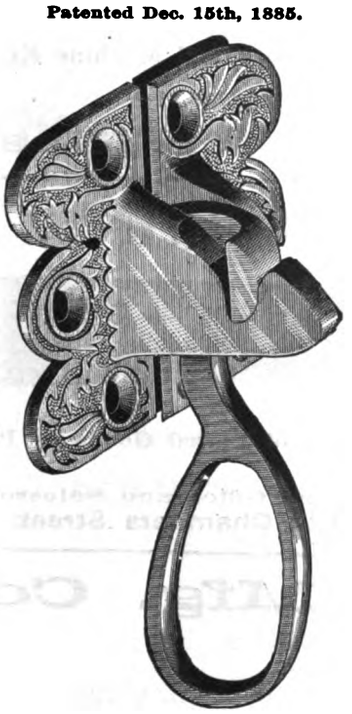
MANUFACTURED BY

BRABSON BROS.,

Newark, N. J.

The Conroy AUTOMATIC Refrigerator Door Fastener,

Patented Dec. 15th, 1885.



Manufactured by

P. J. Conroy, Manufacturer of

Refrigerator and Ice House Trimmings,

Paschall, Philadelphia.



How He Does Talk!!

Great Scott! How he does talk about the superlative merits of the

LEONARD CLEANABLE REFRIGERATORS!

Any salesman can do the same and capture all the sales. Secure the agency.

GRAND RAPIDS REFRIGERATOR CO., Grand Rapids, Mich.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

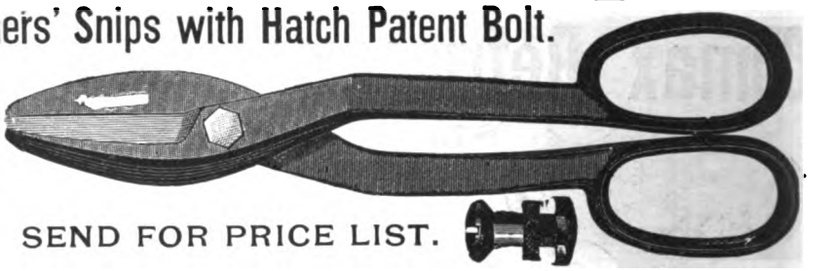


Hatch's Champion

Tinners' Snips with Hatch Patent Bolt.

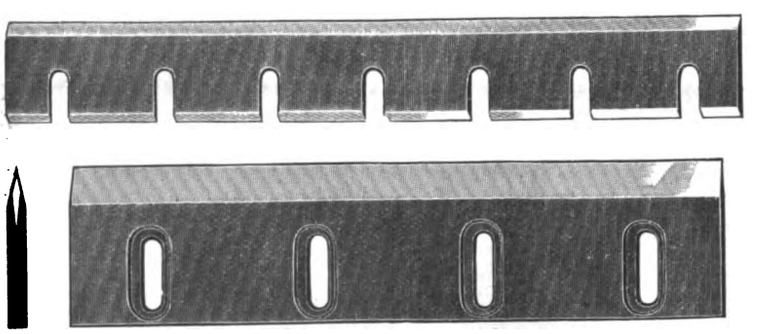
Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

THE BEST SNIP IN THE MARKET.



SEND FOR PRICE LIST.

Every Pair Warranted.
HATCH CUTLERY CO.,
Buchanan, Mich.
97 Chambers St., New York.



PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pear, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York.

Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

THE GARVIN MACHINE CO.,

MANUFACTURERS OF AND DEALERS IN



MILLING MACHINES,
SCREW MACHINES,
TAPPING MACHINES,
HAND LATHES,
CUTTER GRINDERS,
DRILL PRESSES,
ENGINE LATHES,
PLANERS, SHAPERS,
POWER PRESSES,
ETC.

SPECIAL MACHINERY for the MANUFACTURE of BICYCLES.

A Full Stock of New and Second-Hand Machinery Always on Hand at our Warerooms

LAIGHT & CANAL STS., - - NEW YORK,
and 51 North 7th St., Philadelphia, Pa.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1898, and discount.

J. WISS & SONS, NEWARK, N. J.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.

CAUTION

TO ALL PURCHASERS OF THE

WELL KNOWN **HEINISCH** - BRAND OF -

Shears, Trimmers, Scissors, Tinners' Snips, &c.

ALL GOODS OF OUR MANUFACTURE ARE STAMPED

R. HEINISCH
NEWARK, N.J.

- OR -

R. HEINISCH
NEWARK, N.J.
U.S.A.

NO OTHERS ARE GENUINE.

NEW YORK OFFICE AND SALESROOM,
90 CHAMBERS ST.

R. HEINISCH'S SONS CO,
NEWARK, N. J., U.S.A.

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

—FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated "*W. Butcher*" Files and Edge Tools and "*Wade & Butcher*" Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD.
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO., WALTHAM CUTLERY CO., ALEXANDER FRAZER & CO., JONES & CO.

J. H. Sternbergh & Son, READING, PENNA.

MANUFACTURERS OF

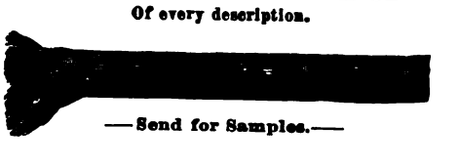
Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

All of the highest grade of excellence.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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OUR STEER HEAD BRAND

of Butcher Knives are made of the **Best Double Shear Steel** obtainable. The greatest care is exercised in every branch of their manufacture and every knife severely tested before leaving our factory.



They are made in sizes from 6 to 14 in. and are especially designed for butchers or others who want the best knife made, who know a good knife when they use it and are willing to pay a fair price for a knife that suits them.

Dealers are authorized to sell these knives with the understanding that if after a **fair trial** purchaser is not satisfied it is the best knife made anywhere he shall bring it back and get his money.

Necessarily such a knife sells at a high price, but it is the cheapest in the end, and there is a good profit to dealer.

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Finest Quality Pocket Cutlery

TRADE UN-X-LID MARK

EVERY KNIFE WARRANTED.



Highest awards at all Principal World's Fairs.

Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



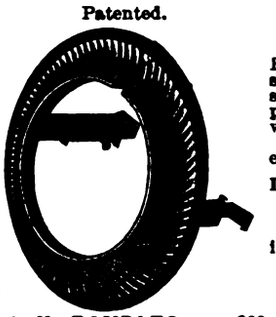
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A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

EASTMAN & CO., 64 Reade St., New York.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



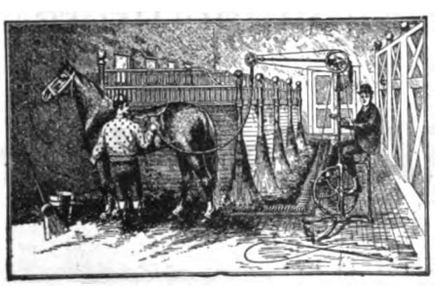
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Liberal Discount to the trade.

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Write for Prices,

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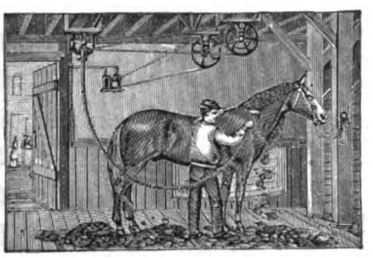


BICYCLE CLIPPER.

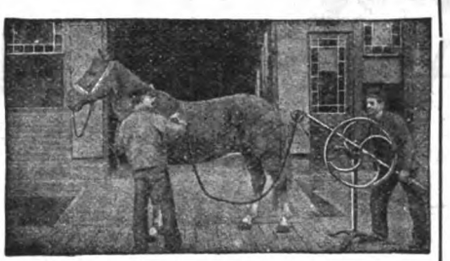
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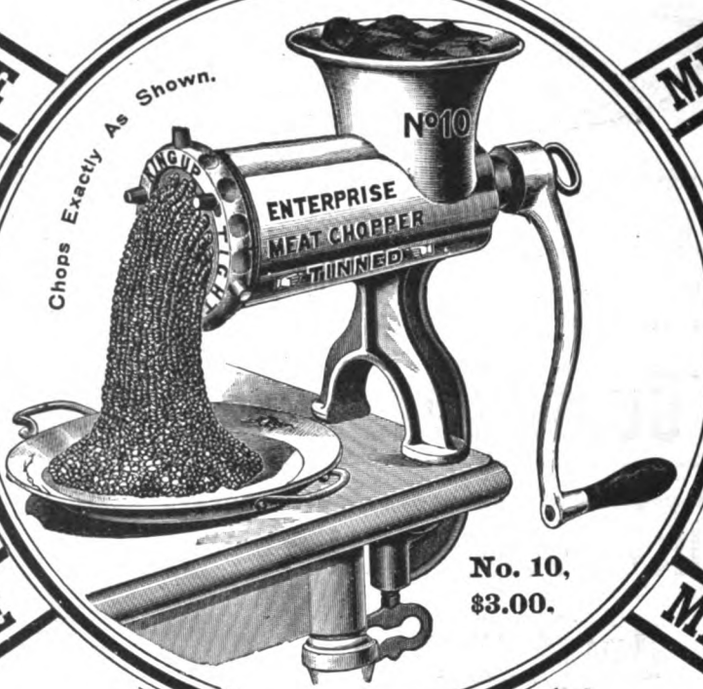
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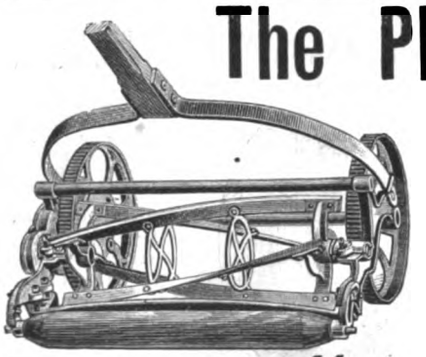
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Unexcelled in Quality, Durability and Simplicity.

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And agreeably so if you will grant us an opportunity to make you the local agent for the best wheel built, namely,

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Record breakers on the road holding more road records than held by riders of any other wheel made.

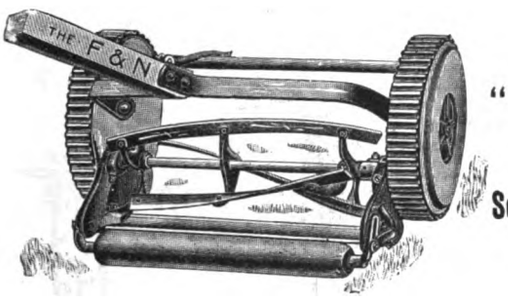
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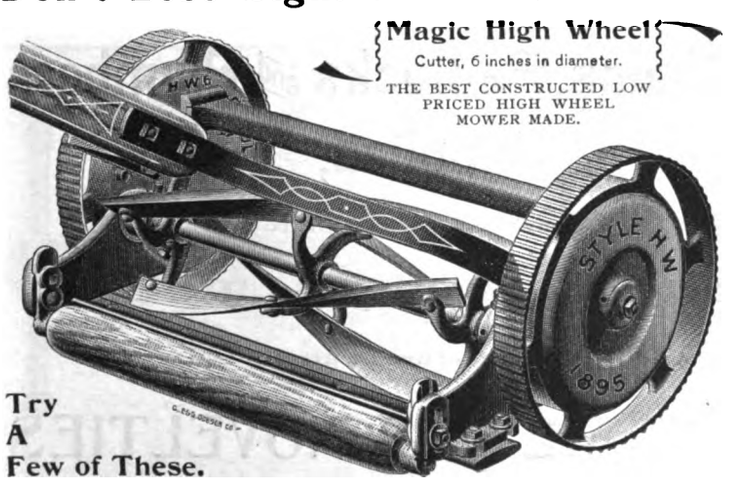
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These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



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OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

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Magic Low Wheel,	-	8-inch "
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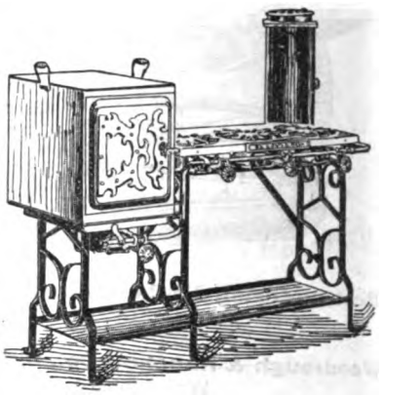
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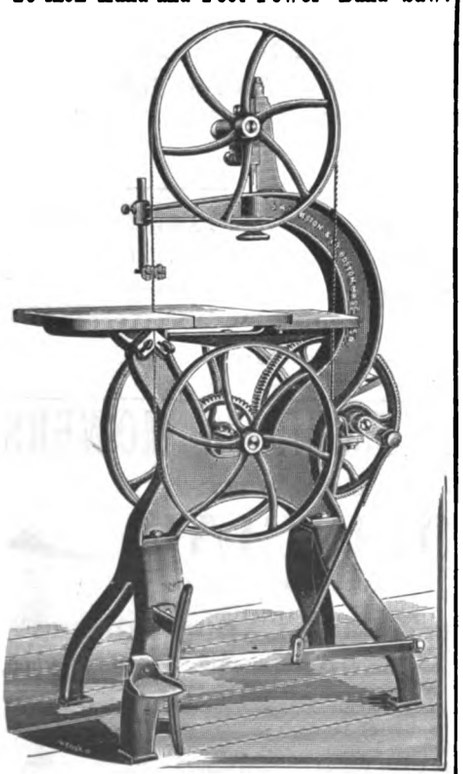
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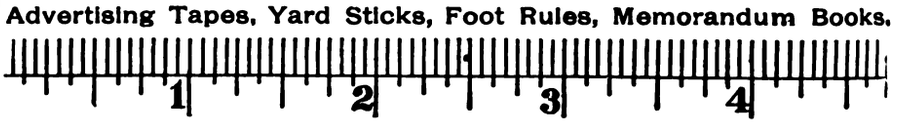


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No. 327. No. 3 Lift Burner.
Height, 33½ inches. Spread of Base, 12½ inches. Nickel Finish.

THE MILLER OIL HEATERS.

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They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

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Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

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The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

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All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

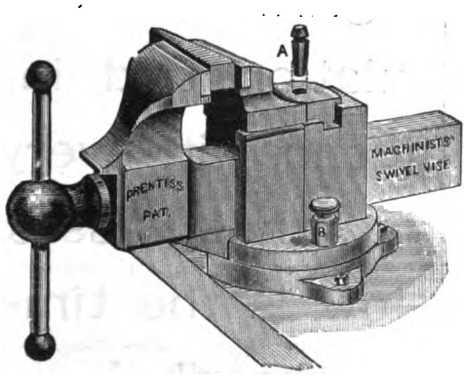
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3 1-2 in. long. Weight, 3 ounces.



ONE THIRD ACTUAL SIZE.

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SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

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Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

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Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
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Dripping Pans
Eave Trough
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Elbows
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Rivets
Roofing Tin
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Solder
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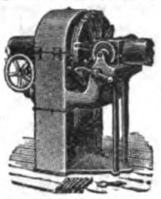
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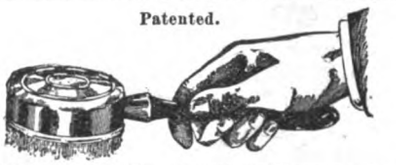
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For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

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Woodman's Patent Ticket Punches & Speed Indicators,

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Power Presses, Foot Presses, Screw Presses,

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Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,
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WITH THIS NEW

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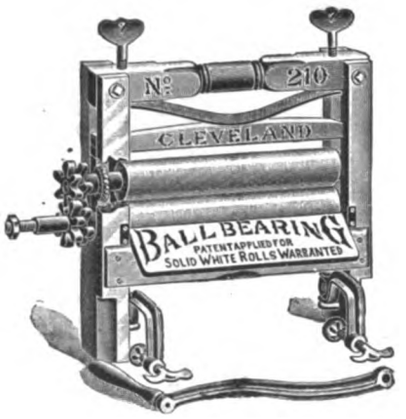


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No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

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Also a large line of ***Blue and White Ware and Tinned Ware*** Fry Pans, Tea, Table and Basting Spoons, &c., &c. in open lots.

Thursday and Friday, February 14th and 15th,

——AT 10 O'CLOCK.——

Large Special and Unreserved Trade Sale

—:OF:—

Table and Pocket Cutlery, Plated Flat Ware, Shears, &c.

Comprising in part

Several Thousand Dozen of Table Knives and Forks.

Desirable patterns direct from factory,

1000 DOZEN

Nickel Plated Steel Scissors and Shears, Pocket Knives, Razors, &c.

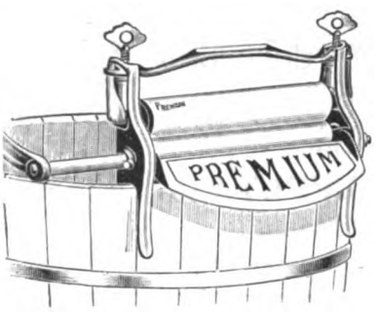
1000 DOZEN WM. ROGERS

and other makers of Silver Plated Tea and Table Spoons, Forks, Medium and Dessert Knives, Extra and Triple Plate.

Also a large assortment of Carvers, Butcher and Bread Knives, Pearl Handle and Celluloid Medium and Dessert Knives, Fruit and Orange Knives, Nut Picks, &c., &c. The entire Catalogue will be sold **without reserve and will be worthy the attention of the Jobbing and Retail Trade.**

A Mistaken Notion.

It is a mistaken notion that a fine store in an eligible location, surrounded by attractive signs, is a superior advertisement; for the experience of the most enterprising merchants is that it pays better to spend less in rent and more on advertising.



There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

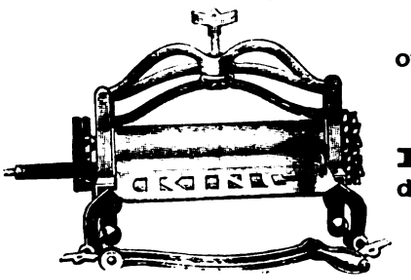
Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,

Direct Representatives,

15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Linemore & Co.

"Self-Closing" Tomato Vine Supports.



READY FOR USE

A boon to every gardener.
A profitable article for every Hardwareman. Sells on sight.
Can be left in the ground all winter if you are "too tired" to take them in. $12 per gross.
For further particulars write

The **LEWIS MFG. CO.,**
UTICA, N. Y.

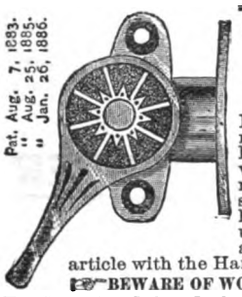


NOT IN USE

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.



Eight Tumblers. Key Turning Both Ways.

Size ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

SEND FOR CATALOGUE.

AMES SWORD CO., Chicopee, Mass.

H. J. Brainerd, Agent, 97 Chambers St., New York.



"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere.
They are Safest and Best.

WAREHOUSES:

New York, 96 & 98 Reade St. Philadelphia, 514 Commerce St. Chicago, 78 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.





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"Excellent Cream!"

Cold Facts.....

The Improved

WHITE MOUNTAIN FREEZER

Makes

"Excellent Cream" in 4 minutes.

POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

Sold by Leading Jobbers everywhere.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N.H.

Trade Mark.
"CHARLES BUCK."



Razors of all Grades and Styles always in Stock. Also Razor Blanks and Handles. We Guarantee that these goods are made strictly by hand from beginning to end. Manufactured by

MILLBURY RAZOR COMPANY. Millbury, Mass. TOWER & LYON, 95 Chambers St., New York. Selling Agents.

Catalogue and Prices on Application.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

Marten Doscher,

DEPOT,

88 Chambers St., New York.

EDGE TOOLS,

G. W. Bradley's,
Horton's,
L. H. Watt's.

BENCH PLANES, &c.

Turned Work Handles. Mallets. &c.

NEW ADJUSTABLE BENCH LEVEL

WITH GROUND AND GRADUATED VIAL.

4-6 and 8 inch.



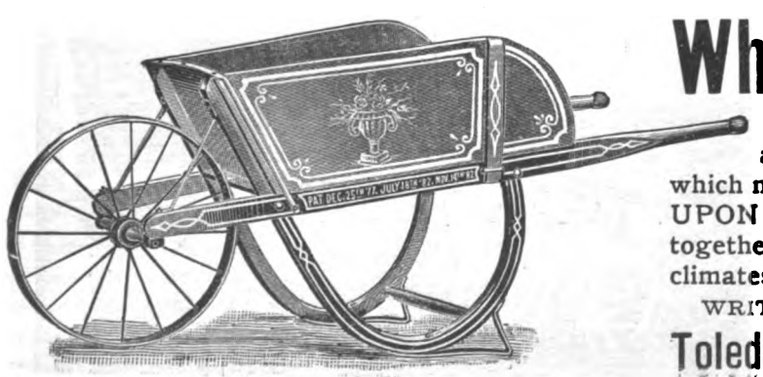
Three Sizes.

MANUFACTURED BY

C. F. RICHARDSON & SON.

25 MAIN STREET, ATHOL, MASS.

Manufacturers of Iron Levels and Carpenters' and Architect's Transits.



Wheelbarrows

of all Styles,
of all Grades
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₩ 1000—
B. E., 11 up.80c..B. E., 9&10...70c
B. E., 8.....8 0c..B. E., 7.....80c..
P. E., 11 up.1.00..P. E., 9&10..$1.25
P. E., 8.....1.50..P. E., 7.....1.50
30&5%

SHOT—
Drop Shot, sizes smaller than 8, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than 8, 5-lb bags, ₩ bag.....$ .30
Drop Shot, 8 and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1 35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag.....$1.75
Dust Shot, 5-lb bags, ₩ bag.....$ .40

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1,000 lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B..1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....3.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 10c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association....70&10&10%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 80.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%

HOLLOW AUGERS—
Ives, French, Swift & Co., Douglass', Bonney's Expansive, each $4.00 35%
40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₩ doz. $60.....40%
Swan's.....40%
Steer's No. 1, $36; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....30&10&10%

GIMLET BITS—
Shepardson Diamond ₩ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₩ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $6.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..35&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$12.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—
Straight Spring balances.....40%
Common 24 lb.....₩ doz. 80c net.
Circular Spring Balances.....50&10%
No. 2000 20 80
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....30%

Bells—
HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....35%
Francis Kell & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....40%
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....35&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....55%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....80&10&10%
Western.....20&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....80&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 3 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7½x½x1, ₩ doz. $11.00.....50
9x½x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 50%
Ives' ₩ doz. $30.00....60&5@60&10%
Blind Adjusters—
Domestic.....₩ doz. $2....33⅓%
Excelsior..₩ doz. $10.00....50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $3.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.30%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...30%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.....30%
Eagle Phila., list Oct. 16, '84.....30%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....30%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—
Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75.....50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50.... 25%

Bow Pins—
Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—
Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@30%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&12%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.15
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%
Amidon's:
Barker's Imp'd Plain...75&10@30%
Barker's Imp. Nickeled.65&10@37½%
Ratchet.....75&10@30%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50@55&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 25, 25.....30&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 26, 27.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%

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Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....35&10%

Butt Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....35&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint..50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....70%
Parliament Butts.....65%
Mayer's Hinges.....10%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c.....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....60%&c

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $3.85, 50&10%
Dunlap's Iron Handle, No. 3 ⅌ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.2$1.75.35%
No. 5, Iron Handle.⅌ gr. $8....45@50%
Eureka.....⅌ doz. $3.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ⅌ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $8.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....40%
Domestic, ⅌ doz. $2.40.....50%
Champion, ⅌ doz. $2.00.....6⅔
New Scott Mfg. Co.'s list.....20&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points.⅌ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....30%

Carpet Sweepers—
Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27.00
Hall.....⅌ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....⅌ doz. $21.00
Domestic, No. 2.....⅌ doz. $22.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Parlor Queen.....⅌ doz. $24 00
Standard.....⅌ doz. $34.00
Make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $3.00 ⅌ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent(Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-2, ⅌ pair, $1.08.....60&10%
Trace, 6½-10-3, ⅌ pair 92c.....60%
Trace, 7-10-2, ⅌ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....⅌ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury.....each $8.00..30@30&5%
Syracuse, Bals Pat.....25%
Skinner's Pat. Drill Chucks.....25%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$8.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16.65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....30%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers'...55%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.35&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....⅌ doz $10.00

Corn Huskers—
Blair's Adjustable.....⅌ gr $8.00
Blair's Adjustable Clipper ⅌ gr 7.00
Hubbard's Solid Steel.....⅌ gr 4.50
Perkins Bros:
Styles A and B, ⅌ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ⅌ gro. $3.00; R, ⅌ gro. $30.00.
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%

Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.51
Solid.....⅌ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. 2.00
F. E. Kohler & Co.'s Humane ⅌ doz. $1.75
Gibbs' Magnetic per doz. net...$3.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4¼ 5
$1.00 $1.13 $1.25
5¼ 6 7 inches
$1.38 $1.50 $2.00, doz.....40&10%
Nickeled Shank 4 4¼ 5
$1.25 $1.43 $1.60
5¼ 6 7 inches
$1.78 $1.85 $2.85, doz.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete, $9 50&10%
Thaxter Electric Lock, list....$25.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1892.....33⅓%

Door Springs—
Torrey's Rod, regular size ⅌ doz $1.40
Bee Rod ⅌ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ⅌ doz, $18.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} ..75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....30@30&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓&5
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$3.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....⅌ doz $3.00..60%
National, ⅌ doz $4.50.....33⅓%
Fazally (T. & S. Mfg. Co.) ⅌ gro $17.00 @$18.00
Duplex (Standard Co.)...⅌ doz $1.25
Rival (Standard Co.).....⅌ doz $1.00
Duplex Extra Heavy (Standard Co.) ⅌ doz $2.50
Triumph (T. & S. Mfg. Co.), ⅌ gro $10.50 $11.00
Ayre's Spiral.....⅌ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers—
Morgan Steam, No. 3. No. 5.
⅌ doz. $4.50 $6.00.....40%

Emery—
No. 4 to No. 54 to Flour, OF
46 gr. 150 gr. F FF.
Kegs, ⅌ lb..4½c 5c 7½c
½ kegs, ⅌ lb.4½c 5½c 8½c
¼ kegs, ⅌ lb. 5c 5½c 8c
10 lb cans, 10 in case.... 6c ½c 5c
10 lb cans, less than 10.. 10c 10c 7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ⅌ gro.....$4.50
No. 6, ⅌ gro.....$7.20

Escutcheons—
Door Lock, same dia. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock.....40%
Perfection, Fla. Red Cedar.....40%
No Brand Red Cedar (in bbls).....50&10%
Boss Metallic Key.....50%
Reliable Cork Lined.....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key.....60%
Fenn's.....40%
Bohren's Pat. Rubber Ball.....25%
Fenn's Cork Stops.....33⅓%
Starr.....60%
Frary's Pat. Petroleum.....60%
Haydenville Mfg. Petroleum.....60%
Beer and Liquor.....60%
Globe Cock.....60%
Cork Lined.....70%
Burnside's Red Cedar.....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00.....20%
Lane's ₩ doz. $36.00.....25%
Enterprise Molasses Gates.....20%

Fibrewares—
Standrad Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt.	$3.33..	4.00	
Fire Pails, No. 2, 14 qt.	$4 00..	3.50	
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (p essed)	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade.....65%
Montgomery & Co., Special.....65%
Nicholson Files, Rasps, &c.....66⅔%
Nicholson Butcher Steels.....25%
Nicholson (X.F.) Files.....35%
Eagle.....60&10&10@70%
New American.....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps.....50&10%
McCaffrey's Horse Rasps.....50&10%
Chelsea Horse Rasps, H'nd C't.&5010%
IMPORTED—
Moes & Gamble, List April 1, 1883.15%
Butcher.....Butcher's list, 20%
Stubs.....Stubs' list, 20%
Grobet.....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base).....10%

Fluting Machines—
Knox.....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....35&2%
Crown Fluters.....30%

Fluting Scissors—
List.....45%

Fly Fans—
Columbia.....10%
Fowlers ₩ doz.....$31.00
Keyless M. & I. Co. ₩ doz.....$31.00

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list.60@60&5%

Freezers, Ice Cream—
Shepard's Lightning.....65@65&5%
White Mountain.....60@60&10%
Improved Arctic.....65&10@70%
Granite State.....65@65&10%
Gem.....65%
Keystone, P. D. & Co.....30%
Packer's Standard and Double Action Standard.....60@60&5%
Model.....60@60&5%
Good Luck.....65@65&5%
Confectioner's Machine.....50%
Jack Frost.....35@40%
Blizzard.....70%
American.....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co.....25%
Henis.....₩ doz $3.50
Shepard's Queen City.....40%

Fry Pans—
Standard List:

No.	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No.	5	6	7	8	
₩ doz.	$8.00	$7.00	$8.00	$9.00	

Polished, regular goods.....75%
Acme Fry Pans.....70%

Gas Irons—
Bolgiano's New Hot Air Perfection Gas Iron.....₩ doz. $18.00

Gauges—
Marking, Mortise, &c.....60&10%
Starrett's Surface, Center and Scratch.....25&10%
Bemis & Call's Steel.....50%
Stanley's.....60&10%
Stanley's Chisel.....25%
Clapboard.....20&10%
Wire, low list.....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's.....50@50&5%
Wire, Brown & Sharpe's.....20%
Stube' Wire and Drill.....20%
Copeland Champion Bit ₩ dos $3.00 net

Gimlets—
Star.....50%
Metal head.....55%
Nail and Spike.....55%
"Eureka" Gimlets.....60&10%
"Diamond" Gimlets.....40%
Double Cut.....40%
United States.....25&10%
Pod.....60&10%
Wood head.....50&10%
Double Cut, Ives'.....60@60&5%
Double Cut, Douglass'.....40&10%
"Bee," ₩ gr $12.....25@25&10%
Bell Hangers.....50%

Glue Pots—
Tinned.....45%
Enameled.....45%
Family, Howe's "Eureka".....50%
Family, L. F. C.'s "Handy".....55%

Grindstones—
Family.....50%
New York Pattern.....20%
Ohio Pattern.....10%
Millers Falls.....25%

Grindstone Fixtures—
Howard Iron Co.....20%
Sargent's Patent.....70&10%
P., S. & W. Co.....50&10%
Moore's.....55%
Russell & Erwin.....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's.....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.....
Rope, ½ in. Hemp.....
Web and Rope Halters.....
Hemp Horse and Cattle Tie.....
Jute Horse and Cattle Ties.....
} 33⅓%
Upson & Wooding.....40%

Hammers—
HANDLED HAMMERS—
Maydole's.....25%
Buffalo Hammer Co....
Humason & Beckley...
Atha Tool Co.....
Fayette R. Plumb.....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree.....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75.....40%
Fayette R. Plumb:
Drilling or Striking.....75&10%
Stone.....70%
Blacksmiths'.....60&10%
Masons'.....75%
Dunlap's Patent.....20%
Nelson's Tool Works.....40&10%
Warner & Nobles.....20@25%
Peck, Stow & Wilcox.....40%
Sargent's.....50%
Ladies Perfect Tack, ₩ doz.....
Nos. 1, $3; 2, $2.....33⅓
Steel Face Shoe.....40%
Wm. Johnson's:
Upholsterer's Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00.....45%
Upholsterers Solid Steel, French ₩ doz. $20.00.....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00.....40%
Henry Cheney Hammer Co.
Handled Claw.....40%
Machinists'.....50%
Spier's Machinists'.....33⅓&10%
New England Specialty Co
Cast Iron, Nickel.....50%
HEAVY HAMMERS AND SLEDGES—
Under 3 ℔....₩ ℔ 45c
3 to 5 ℔.....₩ ℔ 35c } 75@75&10%
Over 5 ℔.....₩ ℔ 30c
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per doz.	$ .90	1.00	1.15	1.35	1.50

60&10&10%
Tub Handles.....60&10%
Ring Handles.....70%
Shelf Box Handles.....65%
Drawer Handles.....60%
Trunk Handles.....60%
Chest Handles.....60&10@70%
Roggin's Latches.....60&10&10%

STORE DOOR HANDLES.—
Japanned.....60&10%
Bronzed.....60&10@66⅔%
With Lock.....75%
With Cylinder Lock.....50%
Dead Lock Handles.....75%

DOOR PULL—
Sargent's List.....66⅔%
Bank Door.....60&10%
Plain B. M.....66⅔%
Bar.....60&10%
Push Plates, Sargent's List.....66⅔%
Sash Pull Plates.....70&10%
Drawer Pulls.....70&10@75%
Sash Pulls.....60&10&10%
Window Pulls.....66⅔%
Barn Door.....60%
Chest and Lifting.....70%
Saw and Plane.....45%
Hammer, Hatchet, Axe, Sledge, etc.....25@35%
Brad Awl.....60%
Hickory Firmer Chisel, as ₩ gr 4.50 } 35@40%
" Firmer Chisel, large ₩ gr 5.00 }
Apple Firmer Chisel, as..₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 3.00
Worcester Leather Cap'd Chisel.25%
File, assorted.....₩ gr 2.75 }
Auger, assorted...₩ gr 5.00 } 30@
Auger, large.....₩ gr 7.00 } 30&10%
Pat. Auger Ives'.....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's.....₩ set $1.00
Millers Falls Auger.....25%
Hoe, Rake, Shovel, etc.....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion.....15c
Gwinner's Sensible.....33⅓%

Hangers—
Barn Door, old pattern.....60%
Barn Door, New England.....60&10%
Samson Steel Anti-Friction.....55%
Orleans Steel.....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track.....65%
Champion.....60&10%
Rider and Wooster, Medina Mfg. Co.'s list.....70%
Climax Anti-Friction.....55%
Climax Anti-Friction for Wood Track.....55%
Zenith for Wood Track.....55%
Reed's Steel Arm.....50%
Challenge, Barn Door.....50%
Sterling's Improved.....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00.....50&2%
Cheritree.....50&10%
Kidder's.....50&10@60%
The Boss.....60&10%
Best Anti-Friction.....60&10%
Duplex (Wood Track).....30&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00.....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger.....20&10%
Davis Hanger.....20&10&10%
Stearns' Barn Door.....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00.....50&10%
Acme, Lull & Porter.....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00.....50&15%
Felix, ₩ set $4.50.....20%
Richards'.....40%
Lane's Steel Anti-Friction.....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat.....20&10@20&10&10%
Stearns' Anti-Friction.....20&10@20 &10&10%
Stearns' Challenge.25&10@25&10&10%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c.....40%
Universal Anti-Friction.....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00.....45&10%
No. 50 Hanger.....50%
Royal.....40&10%
Star.....40&10@40&10&5%
May.....50&50@50&10%
Barry, $8.00.....40&10%
Moore's Baggage Car Door.....33⅓%
Moore's Elevator.....33⅓%
Moore's Railroad.....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Barter Wrought Iron, No. 1, $3.00; No. 2, $3.00.....30%

Hay and Straw Knives—
Lightning. Mfrs' price ₩ doz $18.00.45%
Gem.....₩ doz $10
Wadsworth's.....40%
Carter's Needle..₩ doz $11.50@$13.00
Heath's.....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point.....50%
Auburn Straw.....40%
Nolin's Hay.....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T.....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap.....30%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 23 and 24 50%
Rolled Plate.....70&10%
Rolled Raised.....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔.....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single.....60&10%
Tuscan Surface, Double.....66⅔%
Japanned Surface, Single.....50%
Japanned Surface, Double.....55%
Bronze Metal.....60%
Mortise.....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking.....15%
Keil's American.....30%
Union Spring Hinge Co.'s list, March, 1886.....30%
Acme.....30%
J. S.....35&10%
Empire and Crown.....30%
Stover Ideal ₩ gro.....$13.00
New Idea ₩ gro.....$13.00
Hero and Monarch.....55%
American, Gem and Star.....30%
Oxford.....30%
Barker's Double Acting...35@35&5%
Union Mfg. Co.....40%
Bommer's.....30%
Buckman's.....15@30%
Chicago.....30%
Wiles'.....10%
Devore's.....40%
Rex.....40%
Royal Japanned.....66%
Royal Bronze.....45%
Reliable.....60%
Champion.....55%
Matchless No. 10.....60&10%
Victor.....60%
Torrey.....30%
Rubber.....66⅔%

GATE HINGES—
Western.....₩ doz $4.40, 60%
N. E.....₩ doz $7.00, 55%
N. E. Reversible, ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3.....60&10&5%
N. Y. State.....₩ doz $5.00, 55&10%
Automatic.....₩ doz $12.50, 50%
Keil's Superior.....30%
Common Sense..₩ doz pair $4.50, 50%
Seymour's.....45&10%
Shepard's.....60&10&15%
Sargents.....60%
Reed's Latch and Hinges...₩ doz $13.00, 30%
Long's Self Closing.....50%

BLIND HINGES—
Barker.....75&10%
Palmer.....50&10&10%
Seymour.....70&5%
Nicholson.....45&10%
Huffer.....50%
Clark's Nos. 1, 3, 5, 40 and 50.....30%
Clark's Mortise Gravity.....50%
Sargent's.....75%
Shepard's:
Noiseless.....75&10%
Niagara.....30%
Buffalo.....30%
Clark's Genuine Pattern.....30%
O. S. Lull & Porter.....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1¼, 2, 2¼, 3.....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c.....60%
Planter's Cotton, &c.....30%
Warren Hoe.....65%
Magic.....₩ doz $4.00
Dunlap's:
Boys' hoes.....₩ doz $3.00, 60%
Ladies' hoes.....₩ doz $3.00, 30%
Scuffle.....30%

Hub—
D. & H. Scovil.....30%
American Axe & Tool Co.....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat.....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub.....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.35
Hill's Tongs.....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $2.15@$2.35
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers.....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers.....₩ doz $2.00
Brown's Rings.....₩ doz $1.25@$1.50

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground.....60&10%
Unground.....65&10%
White Enameled Ware:
Maslin Kettles.....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother..... } 40&5%
Hartford Silver-Plate Co. }
William Rogers Mfg. Co. } 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading.... } 60&10&10%
Clothes Line, Sargent's list.
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 50&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ dos $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1886.....50%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....35%
Grass, No. 2, $2; 3, $3.25; No. 4, $3.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—
Nos. 6 7 8 9 10
Putnam.....23c 21c 20c 19c 18c....15%
American..9¾ 9¾ 9¾ 9¾ 9¾....net
Ausable....26c 26c 26c 24c 23c. 40&5&5& 2½
Clinton Fin.19c 17c 16c 15c 14c.30&10%
Essex.....26c 23c 22c 24c 23c. 40&10&5&5&2½%
Lyra.....19c 17c 16c 15c 14c.40&10%
Snowden....19c 17c 16c 15c 14c.40&10%
Vulcan.....26c 21c 20c 19c 18c.....25%
Northw't'n.25c 23c 22c 21c 20c. 25@25&5%
A. U.....25c 23c 22c 21c 21c. 25&10@33⅓&5%
C. B. K.....25c 22c 22c 21c 21c 33⅓@33⅓&10%
Maud S.....25c 23c 22c 21c 21c 40&10&5%
Champlain..25c 25c 25c 24c 23c 40&5&5&2%
Saranac.....25c 21c 20c 19c 18c..40&5%
Champion..25c 23c 22c 21c 20c. 10&10&10%
Capewell...19c 18c 17c 16c 16c..10&5%
Anchor.....25c 21c 20c 19c 18c.....25%
Western....23c 21c 20c 19c 18c.....50%
Empire Bronsed.....13@14c ₩ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston"..... ... .50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%
Ice Picks—
See Ice Chippers.
Irons—
See Sad Irons.
Jack Screws—
See Screws.
Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$55.34	$79.20	$108.90	$136.62	
Each...	5.45	6 60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&5%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....80%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....80%

Lawn Mowers—
New Model.....20&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....35%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ doz. $3.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ doz. $2.25
The Boss.....₩ doz. $2.50
Dean's, Nos. 1, ₩ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 24 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50.....10%
Hoffman Corkran.....33c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ doz. $7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '93.....60%&5
Reading Hdw. Co. List Feb. 2, '93. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deits Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '94, revised Jan. '95.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Diets, Nos. 51 to 68.....40%
Diets, Nos. 88 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 140 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....60&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....30%
No. 427.....20%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ doz 40%

Nos....	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ doz.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos....	1	2	3	4	B	5
Each.	$5	$7	$10	$26	$60	$90

Perfection.....40%

Nos.	1	2	3
Each.	$3.00	$2.75	$4.00

Enterprise.....25%

Nos....	10	12	22	42
Each..	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ doz...45@45&5%

Nos..... 1 2 3
$32.00 $30.00 $40.00
Home No. 1..₩ doz $36.00, 55&10&2½
Draw Cut, each:

Nos....	5	2	6	8	
	$50	$75	$80	$225	30@33⅓

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ dos $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ doz $9.00
Giant, No. 1.....₩ doz $15.00, 10%
Giant, No. 2.....₩ doz $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr. $12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ doz., $2.00, 15@30%
Turner & Seymour Mfg. Co..... 50%

Nuts—
Nuts, off list Dec 16, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....80
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 8x1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....90
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%
Pike's Washita Mounted:
8x2, ₩ doz.....$12.00
6x2, " 10.00
4x1⅛ " 7.00
Discount 33⅓&10%
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ lb.....30
" 2x2x½, extra selected..40
Discount 33⅓%
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb.....2.50
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb.....3.50
No. 1, 3 to 12x1¾ to 2¼x¾ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅝ to ⅝ ₩ lb.....4.00

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼ ₩ lb .06
Washita Finish, about 8x2x¾ to 1¼ ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 8x¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 8x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¾ to 8x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 3x2x⅛ to 1 ₩ lb..... .10
Special Axe, 2¼x1¼x1⅛ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1⅛, weight about 1½ lb, ₩ lb..... .05
Large, 8½ to 9x2¾x2, weight about 2 lb. ₩ lb..... .05
Small table, 9 to 9½x2¾x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .30
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanizing, per lb 70c..... 40%
Boston "Phoenix" Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N.Y. B. & P. Co., 1846-Para....40&10%
N.Y.B. & P. Co., Double Diamond.60%
N. Y. B. & P. Co., Carbon.....60&10%
Standard.....60&10%
Extra.....50&10%
Cleve. Rubber Co., Buckeye.....75%
Cleve. Rubber Co., High Grade..60%
Cleve. Rub. Co., Warranted 2XL.50%
Jenkins' Standard....₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing.....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ dz. $27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00.....20&10%
Victor, ₩ doz $15.00.....20%
Gold Medal ₩ doz $8.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6 87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....30%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..30&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to 2
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
S. & I. J. White.....25%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....30&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓%
Hall's X American Pliers.....30%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50&10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $22.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.50, 25&5%
Seymour Smith & Son's.....₩ doz $2.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&5%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&5%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00.....40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $12.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15 00
No. 6, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17 00
No. 14 Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No 9, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15. 0
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 78, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118, Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131 Fig. 510, 3½ in. Lift Pump..... $8. 0
No. 225, Fig 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30 00
No. 250 Fig. 414, Imperial Cyclone Pump..... $18 00
No. 265, Fig. 5 2, Cyclone Tank Force Pump..... $ 7 00
No. 267, Fig. 488, Geyser Tank Force Pump..... $17.00
No. 268, Fig 518, Low Down Tank Force Pump..... $16 00
No. 3?0, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $6.50
No. 33 , Fig 517, Knapsack Spray Pump..... $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz. 60@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@3.60
Spring, Leach's Pat.....15%
Bemis & Call Co.'s Springfield Socket.....65
Bemis & Call Co.'s Spring and Check.....50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co.....20&2%
Rice Hand Punches.....15%
Avery's Revolving.....40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots.....33⅓%
Lesser quantities.....25%
Niagara Hollow.....20%
Niagara Solid.....55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&5%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....25&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1.net ₩ doz. $4.90
Gibbs' Crown, No. 2.net ₩ doz. $5.80
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1.net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless.....65%
Fort Madison Steel Tooth Lawn Rake. $6.00.....25%
Dunlap's Hoe Rakes:

Nos.	1	2	3	4	
Per doz	$1.40	1.50	1.80	2.25	30%

Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. 25%

Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teet.. $2.40; No. 2 $2.10
Lawn, 28 teeth, $3.15; 24 teeth, $3.15
Sawdust.....$1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.90
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 30%
Wostenholm and Butcher, $10.00 to 2.....net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889.....50%
Electric.....List net
Campbell's Celebrated Warranted.....30%

Refrigerator Hardware—
Francis Keil & Son.....50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887.....60&10%
Copper.....50@10%
Coopers.....60&10%
Block.....60&10%
Carriage.....60&10%
Hame.....60&10%
Belt "Bettina" with Burrs....50&5%
Burrs.....60&10%
American Screw Co.:
Bay State Rivets ½c. ₩ lb less than Norway Rivets.
Belt with Burrs.....60&10%

Rivet Sets—
Regular list.....55&5&5

Rods—
Stair, Brass.....30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list.60&10&10%
Moore's Acme Barn Door.....55%
Moore's Adjustable Stay.....55%
Union Barn Door Roller.....70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7½c
Manilla, ⅜..... ₩ lb 8½c
Manilla, ¼ and 5-16..... ₩ lb 9½c
Sisal, 7-16 and larger..... ₩ lb 5½c
Sisal, ⅜..... ₩ lb 6½c
Sisal, ¼ and 5-16..... ₩ lb 6½c
Sisal Lath Yarn, medium ₩ lb 5½c
Cotton Rope..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7 16in. & larg'r ₩ lb 7 c
Manila.....⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal..... ⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. Lathe Yrn ₩ lb 5 c
Cotton Rope..... ₩ lb 11@13c net
Jute Rope..... ₩ lb 5@6c net
1½% for cash in 10 days.

Rules—
Boxwood.....30%
Ivory.....50%
Miscellaneous, Stanley's.....60%
Starrett's Rules and Straight Edges, Steel.....25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $3.50@$3.75
Self-heating.....₩ doz $3.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet.....30%
Enterprise Star Irons.....30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England.....8c, 15%
Mahony's Troy Pol. Irons.....15%
Sensible.....20%
National Self-heating.....25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net.....$8.40
Crown Sad Irons, No. 235, per dozen, net.....$9.00
Chinese Laundry, net ₩ lb.... .16

Sand and Emery Paper and Cloth—
Beeder, Adamson & Co.'s:
Sand and Emery Paper.....50&5%
Emery Cloth.....50&5%
Garnet Paper..... .....30&5%

Sash Chain—
Giant..... .....40%
Monarch..... .....40%
Red Metal.....40&10&1 %
Steel.....40&10&1 %
Morton's:
Champion Metal.....35%
Steel Cable.....35%

Sash Cord—
Common.....₩ lb 10c.
Jute, good quality.....₩ lb 11
White Cotton Braided, fair. ₩ lb 2
Common Russia Sash.....₩ lb 16c
Patent Russia Sash.....₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White.....30%
A Quality, Drab.....25%
B Quality, White.....40%
B Quality, Drab.....30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring:
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $3.00..10&10%
No. 4 Braided Drab, $3.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....37c
Samson:
"Mass." White, Cotton.....37c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....55c

Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....℔ doz. $1.20. 40%

Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed.....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%

Sash Weights—
Solid Eyes.....℔ ton $33.50

Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%

Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....30%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated.....30c. ℔ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill 45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%

HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%

Saw Frames—
Star Hack.....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $3.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $14.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts, Nos. 3 and 4, $23.00; No. 5, $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leach's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....30&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets ℔ doz. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold.....℔ doz., $15.00, 5%
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%

Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%

Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%

Scrapers, &c.
Adjustable Box Scraper (S. R. & L Co.) $6.50.....30&10%
Box, 1 Handle.....℔ doz., $4.00, 10%
Box, 2 Handle.....℔ doz., $6.00, 10%
Defiance Box & Ship.....20&5 10%
Foot.....50&10@50%
Ship Common.....℔ doz., $3.50 net
Ship, R. I. Tool Co.....10%

Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....60%
Extension.....50&10&5%
Flyer.....50&10%
Window Screen Frames.....60&5%

Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30 & 35%
Standard Oil.....35&40%

Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty C...50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....35%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....℔ doz., 70@95c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 2, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ℔ doz.....90c } 50%
Beauty, ℔ doz.....$1.00 }
Wm. Johnson's:
131 A.....70&10%
135½ Extra.....70%
138 Ebonized Handle.....70%
141½.....75%
142 Ebonized Handle.....70%

Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....85%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head.....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%

MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%

BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ℔ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....80&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....50&10%
Jack Screws, Millers Falls, without Roller Bearing.....60%
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%

Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes, Scroll Saw Blades.....35%

Scythes—
Grain.....40&5@40&10%
Grass.....40&10%

Sets—
See Awl and Tool Sets.

Shears—
Ætna, Steel Japanned.....80&30%
Ætna, Steel Nickeled.....70&30%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning, See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap.....75%
Nickel.....65%
Campbell Cutlery Co.'s Scissors.....List net

Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&20%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....30%

SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&
Sargent's list.....60&10%
Reading list.....60&10&10%

Shells—
See Ammunition.

Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bose, at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow.....℔ ℔ 4c
MULE—
Add $1 ℔ keg to above prices.
OX, WROUGHT—
Ton lots.....℔ ℔ 9c
1000 ℔ lots.....℔ ℔ 9½c
500 ℔ lots.....℔ ℔ 10c

Shot—
See Ammunition.

Shovels and Spades—
Ames' Shovels, Spades, &c.....30%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@20&7½%
Hussey, Binns & Co.....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&30%
Snow, D Handle, ℔ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%

Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%

Sifters, Flour—
Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters.....℔ doz. $3.00

Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring.....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph.....
Loop Eye.....
Round Eye.....
Open Eye.....
Loop Eye, Swivel.....
Round Eye, Swivel.....
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier.....
Swivel Eye Satchel Snaps..
Neck Yokes.....
Neck Yoke Centres.....
Banner Bolt Snaps.....

Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....20%
Stearns'.....30&10%
Millers Falls.....25%
Wm. Johnson's:
Wood, Best.....3 ℔
Wood, 2nd Quality.....3½℔

Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 nos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son.....50&15⅓%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....60&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash

Springs—
See Door Springs.

Squares—
Steel and Iron.....
Nickel-Plated..... } 60%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....25&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%

Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....30&25&10%
Extra Heavy.....30%
Hooks and Staples.....30&25&10%
Extra Heavy.....30%
Hasps and Staples.....30&25&10%
Extra Heavy.....30%
Staples on Plates.....30&25&10%
Wagon Bow Staples....30&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....80&10%
Norway Iron Clinch.....80&10%

Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....20@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%

Stones—
See Oilstones.

Stops—
See Bench Stops.

Stove Polish—
See Polish, Stoves.

Strops—
See Razor Strops.

Sweepers—
See Carpet Sweepers.

Tackle Blocks—
See Blocks.

Tacks, Brads, &c.—
An extra discount of 2% & 2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box.....$3.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box.....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ℔ box.....$5.15
Atlas "Home" Tacks:
No. 50, ℔ carton.....$3.00 }
No. 50, ℔ case.....36.00 } 50%
No. 100, ℔ carton.....6.00 }
No. 100, ℔ case.....72.00 }

CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc. Swedes Iron.....50%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $4.00
Tinned or Coppered....₩ gro $4.25
Bonnie Blue Tacks, ₩ case.....$1.50
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....75⅔%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " ...1.50

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....20&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Ste l or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ₩ ft..... .09
Single Rail Steel Track with clamps, ₩ ft..... .09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ₩ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ₩ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz.....$3.00
Floor Hooks, ¾ in ₩ doz..... .65
Hanging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in , ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch. ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 8@10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire. ₩ doz $1.50, 20%
Mouse, Cage, Wire..₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50,15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal.....₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe.....₩ gr. $13.50
Harper.....₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering..... 40%
Brick No. 100 Extra.....30%
Pointing.....40%
Corner.....40%

Vises—
solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@30%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $3.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 3.00
Rattan Fancy Mounted ₩ doz. $1.50 to $3.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to £ 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft..$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'".....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut.....40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Coubination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $8.00.....60%
Boardman's.....30%
Always Ready.....33⅓&5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON— Per Dozen
No. 20, Erie, 10 inch.....$24.00
No. 30. Erie, 11 inch.....27.00
No. 55, King, 11 inch.....38.28
No. 45, King, 10x1¾ inch.....35.00
No. 65, King, 11x2 inch.....32.00
No. 2, "77" 10 inch.....15.50
No. 2, Zenith, 10 inch.....16.50
No 3. Zenith, 11 inch.....19.00
No. 4, Zenith, 12 inch.....21.50
WOOD—
No. 40, Prime, 10 inch..... 20.00
No. 50, Prime 11 inch..... 23 00
No. 66, Columbia, 11x1¾ inch.. 27.00
No. 99. Pittsburg, 11x2 inch.... 31.00
No. 33, Nonpareil, 11x1¾ inch.. 28.00
No. 44, Nonpareil, 11x2 inch.... 32.00
Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....₩ gal. 50c
Linseed. City, Poiled.....₩ gal. 53c
Linseed, Western, Raw...₩ gal. 54c
Lard, City, Extra, Winter. ₩ gal. 56c
Lard, City, Prime.....₩ gal. 54c
Lard, City, Extra No 1...₩ gal 50c
Lard, City, No. 1.....₩ gal. 45c

Paints and Colors—
Barytes, Foreign ₩ ton $22.00@$25 00
Barytes, American, Floated.....₩ ton $26.00@$28 00
Barytes, American, No. 1.....₩ ton $16.00@$18.00
Barytes, American, No. 2.....₩ ton $13 60@$15.00
Barytes, American, No. 3.....₩ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small pack.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5½@6½c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs..... 5¼@6c
Zinc, American, Dry.....3½@4½

Putty—
In Barrels and half bbls. .01½@.01¾
In Tubs. ..... .01⅝@.01¾
In Tin Cans..... .01¾@.02¼
In Bladders..... .02¼

Spirits Turpentine—
In regular barrels.....₩ gal. 30½c
In machine barrels.....₩ gal. 31 c

Varnishes—
Glidden's:
Patent Surfacene.....$1.25
Protective Black.....$1.75
Transparent Wood Rim Enamel.....$4.50
"M. P." Special Coach.....$1 40
Egyptian Black..... .45
Hard Oil Finish.....$1.25
Smith's:
Spar Coating.....$4.00
L.X.L. No. 1.....$2.75
Best Rubbing, Palest.....$4.00
Piano Polishing..... .....$4.00
Coach Japan $1.75
Extra No. 1 Coach.....$3.50
No. 1 Coach $2.25
Lt. Hd. Oil Finish.....$2.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4 50
Rough Stuff.....$2.50
Umber in Oil.....₩ lb .20
Sienna in Oil.....₩ lb .22
Ochre in Oil.....₩ lb .13
Window Blind Green in Oil.: .21
Chrome Yellow in Oil....₩ lb .27
Indian Red in Oil.....₩ lb .21
Dealers' Discounts in large 25

BE CAREFUL OF INFRINGERS OF Our Patents.

ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.

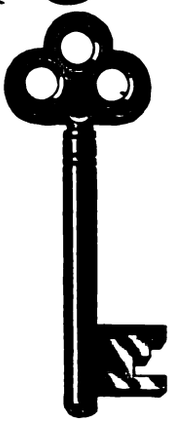
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN experienced Hardware salesman, to travel in West Virginia, for a first-class house. Some one well acquainted in that section preferred. Address W. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED, a young man, thoroughly acquainted with the Hardware business, to travel in Eastern Ohio, Western Pennsylvania and West Virginia. Answer, with References, "Immediate," care of HARDWARE, No. 143 Chambers Streeet, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A YOUNG man, with experience on the road, would like to travel for A 1 article in New England. Address H. H., No. 667 Salem Street, Malden, Mass.

WANTED, by young man, twenty-six years of age position in Hardware store, wholesale or retail. Seven years' experience in builders' Hardware and house-furnishing goods. Understands taking Hardware from architects' plans. Best of references. Addre s L., No. 2233 Norris Street, Philadelphia, Pa.

WANTED, position in Hardware s ore, by a young man who has had six years' experience in one of the largest stores in New England. References from present employers. Address W. F. B., No. 34 Russell Street, Worcester, Mass.

WANTED, position as clerk in retail Hardware store, by young man, with 3½ years' experience. References. Address T.; care Letter-carrier No 3, Attleboro, Mass.

WANTED—By a young man twenty-six years of age, position in wholesale or retail Hardware store; experienced; best of references. Address W. A. F., 215 North Fifth Street, Brooklyn, N. Y.

Agencies for Hardware Specialties Wanted.

AN active agent, with a large and intimate acquaintance with the domestic and export trade, wishes to represent manufacturers in this section. Address Wilson, care HARDWARE, No. 143 Chambers Street, N. Y.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Offered.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

SALESMAN wanted for good line of German pocket knives, scissors and shears as side line to retrail trade in Pennsylvania and New York State, except city. Liberal commission. Address X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED, salesmen in every State to sell as side line our steel roofing, corrugated iron, conductor, eave trough, etc., product of a large concern. Address "Rare Chance," care HARDWARE, No. 143 Chambers Street, New York.

COMMISSION salesmen wanted on side line. Goods sell from small samples and illustra ed catalogue, mainly in Hardware, house-furnishing, crockery, dry goods and bazaar trades. State territory. Staple Goods, care HARDWARE, No. 143 Chambers Street New York.

SALESMEN wanted to introduce our new novelty, a single article, light, and a free seller. Good commission paid. Address Moore & Co., No. 64 Reade Street, New York City.

WANTED—Traveling salesmen visiting stove and tinware, Hardware, house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co., Lock Box 47, Mercer, Pa.

A TRAVELING salesman who sells Hardware and can handle a side line upon a liberal commission, may find a profitable business by addressing "Side Line," care HARDWARE, No. 143 Chambers Street, New York.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office busine s. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

FOR sale, patent steel roofing, with the necessary tools for applying Electros for advertising, etc. Trade established. Good opportunity now open. Reasons can be given on application. Address Columbia, care HARDWARE, No. 143 Chambers Street, N. Y.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mf'r, ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
John H. Graham & Co., New York.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co, Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co, New York, Hagerstown, Md.
Cushman & Denison, New York.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass
C. H. Lamson, Portland, Me.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co., New York, Chicago.
Mossberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Premier Cycle Co, New York.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co, Peoria, Ill.
St. L. R. & W. G. Co., St. Louis, Mo.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Supplee Hardware Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolts.
J. H. Sternburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels.
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Francis Keil & Son, New York.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Can Openers.
A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Burpless, Dunn & Alder, New York.

China and Glassware.
P. H. Leonard, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Dies.
E. W. Bliss Co., Brooklyn, N. Y.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Die Forgings and Castings.
E. W. Bliss Co., Brooklyn, N. Y.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
E. W. Bliss Co., Brooklyn, N. Y.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading, Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gears.
T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Gongs.
Francis Keil & Son, New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

Grindstones.
Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co., Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co, London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co, New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.
Chas. Welland, New York.

Hardware Specialties.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co, Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Francis Keil & Son, New York
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
Francis Keil & Son, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
N. J. Car Spring & Rubber Co. Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Hydraulic Machinery.
W. & B. Douglas, Middletown, Conn.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Hydraulic Presses.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Ice Tools.
Joseph A. Bogardus, New York.
John Chatillon & Sons, New York.

Ice Cream Freezers.
John H. Graham & Co., N. Y.
North Bros. Mfg Co., Philadelphia
White Mountain Freezer Co., Nashua, N. H.

Iron.
Bruce & Cook, New York.

Iron Castings.
C. H Angus, Albany, N. Y.

Japanning.
C. H. Angus, Albany, N. Y.

Job Lots.
Charles Welland, New York.

Knife Sharpeners.
Mossberg Wrench Co., Attleboro, Mass.

Kraut Cutter.
National Saw Co., Newark, N. J.

Lamps.
Ansonia Brass & Copper Co., N.Y.
Bradley & Hubbard Mfg. Co., New York, Boston and Chicago.
Edward Miller & Co., Meriden, Ct.

Lamp Stoves.
J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co, Meriden, Conn., New York.
Chas. Parker Co., Meriden, Conn., New York.

Lawn Mowers.
Blair Mfg. Co., Springfield, Mass.
Enterprise Mfg. Co., Philadelphia.
Coldwell Lawn Mower Co., Newburgh, N. Y.
Dille & McGuire Mfg. Co., Richmond, Ind.
F. & N. Mfg. Co., Richmond, Ind.
Philadelphia Lawn Mower Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

Lawn Rakes.
Gibbs Mfg. Co., Canton, O.
Underhill, Clinch & Co., N. Y.

Lawn Sprinklers.
E. T. Barnum, Detroit, Mich.
Gibbs Mfg. Co., Canton, O.

Lead.
Bruce & Cook, New York.
National Lead Co., New York.

Levels.
C. F. Richardson & Son, Athol, Mass.
Stanley Rule & Level Co., New Britain, Con, New York.
Tower & Lyon, New York.

Linseed Oil.
W. W. Lawrence & Co., Pittsburg, Pa.

Locks and Knobs.
Ames Sword Co., Boston.
Champion Safety Lock Co., Cleveland, O.
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H. B. Ives & Co., New Haven, Ct.
Francis Keil & Son, New York.
Reading Hardware Co., Reading, Pa
Russell & Erwin Mfg. Co., New York.
Warner Lock Co., Chicago.
Yale & Towne Mfg. Co., Stamford, Ct.

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Garvin Machine Co., N. Y.
Miner & Peck Mfg. Co., New Haven, Ct.
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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Loring Coes & Co., Worcester, Mass.

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T. F. Welch & Co., Boston

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Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Samson Cordage Works, Boston.
Tate Mfg. Co., Malden Mass.

Meat Choppers.
Athol Machine Co., Athol, Mass.
John Chatillon & Sons, New York.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

Meat Cutters.
Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

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Boston Belting Co., Boston.
Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

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Skate Sharpeners.
Union Hardware Co, Torrington Conn.

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Enterprise Mfg. Co. of Philadelphia, Philadelphia.

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Bruce & Cook, New York.

Sootene,
Royall Givens, Corpus Christi, Tex.

Spark Guards.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Bruce & Cook, New York.

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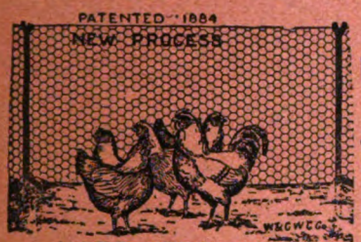
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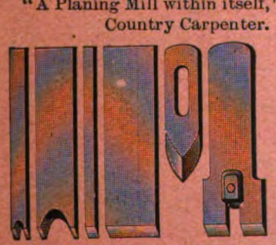
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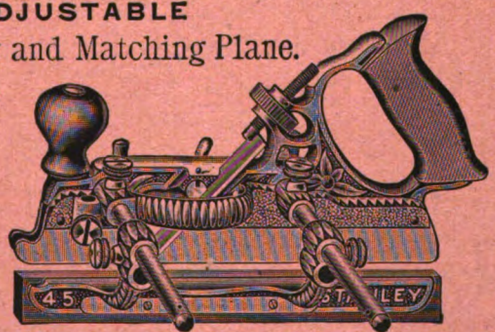
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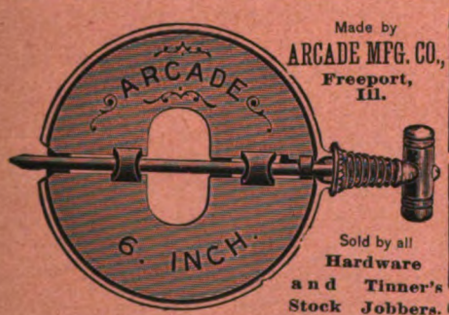


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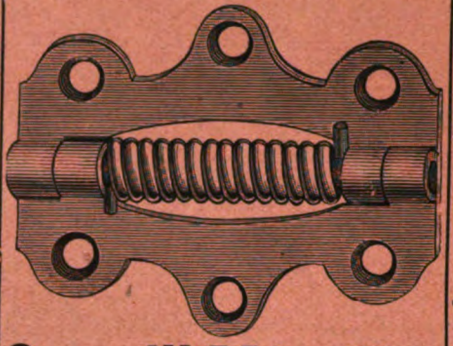
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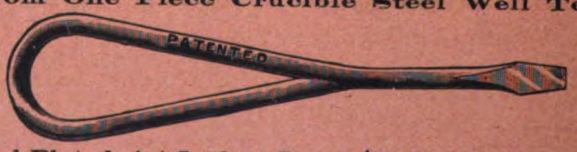
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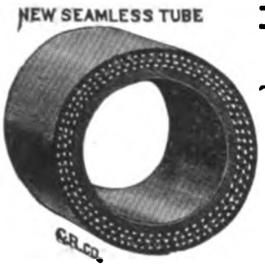
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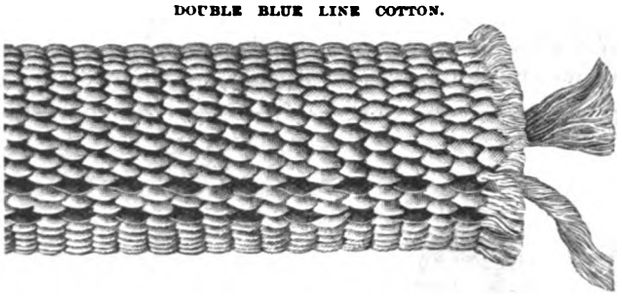


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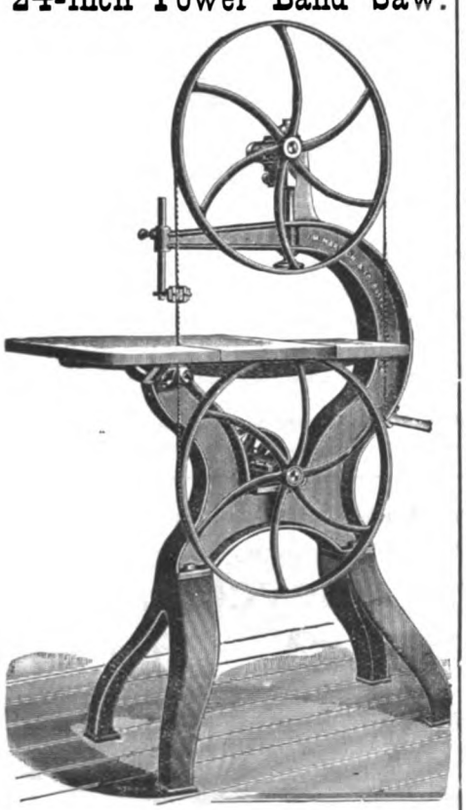
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24-inch Power Band Saw.



Send for Price List.

J. M. MARSTON & CO., 251 Ruggles Street, BOSTON, MASS

IVAN T. GOODRICH,

Wholesale Grocer & Dealer in Farmers' Supplies,

612 & 614 Marietta St.,
ATLANTA, GA.

SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,
Cleveland, Ohio.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
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TABLE HONES,
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THE PIKE MFG. CO., - Pike Station, N.H.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, 15 Park Row, New York.

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

H. K. PORTER, 66 Beverly St., Boston, Mass., U. S. A.

Send for circular and price list.

Can be sold by all Hardware dealers.

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Atlantic Branch, 287 Pearl St., New York.

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Cleveland Branch, Canal and Champlain Sts., Cleveland, O.

Chicago Branch, Fifteenth and State Sts., Chicago, Ill.

St. Louis Branch, Clark Ave. and Tenth St., St. Louis, Mo.

Cincinnati Branch, cor Seventh St. and Freeman Ave., Cincinnati, O.

Louisville Branch, Ninth St., between Main and River, Louisville, Ky.

Baltimore Branch, 204 Spear's Wharf, Baltimore, Md.

National Lead & Oil Co., German National Bank Building, Pittsburg, Pa.

John T. Lewis & Bros. Co., 231 S. Front St., Philadelphia, Pa.

BABBITT METAL.

We make Babbitt and Anti-Friction Metals by standard formulas, and never vary the formula to fit the price. The result is that our Metals are always the same uniform high quality, and we hold our trade.

Save fuel, machinery, time and annoyance by using Babbitt or Anti-Friction Metal that is adapted to the particular Journal in which it is to be used. Friction means loss of power.

Get our pamphlet on Anti-Friction Metals.

NATIONAL LEAD CO.,

No. 1 Broadway, New York.

WAREHOUSES AT:

Detroit, Mich., cor. Wayne and Woodbridge St.

St. Paul Minn., 349 and 351 Minnesota St.

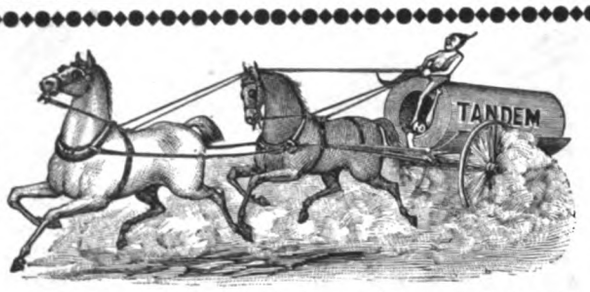
Omaha, Neb., 1308 Dodge St.

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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing.

It is easier to lay than ordinary roofing and it makes a better roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet Such courses are particularly useful in gutters and valleys.

It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges, double handling, and time. If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made.



MERCHANT & CO., INCORPORATED, PHILADELPHIA: 517 Arch Street. CHICAGO: 202 Lake Street. BROOKLYN: 584-86 Flushing Ave. NEW YORK: 247 Pearl Street.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.
Nickel and Brass Plating, Trimming and Japanning.
Light Machine Work, Metal Pattern Making.
CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

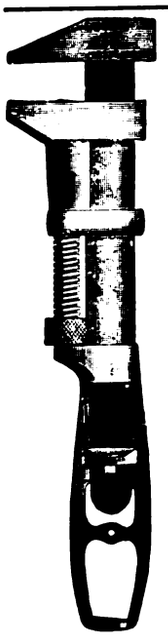


THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,
Sidney, Ohio.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.

MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839. Registered March 31, 1874. Patented July 6, 1880. Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.



GET THE BEST! THE STAR COIL SPRING SHAFT SUPPORT AND ANTI-RATTLER. SELLS AT SIGHT!

Fast selling; always gives satisfaction. No weight on horse. Worth twice the cost for convenience in hitching up. Agents wanted. Send stamp for circular. Price, $1.50. State rights for sale.

THE DECATUR SHAFT SUPPORT CO.
Decatur, Ill.



THE IDEAL
TEA AND COFFEE STRAINER.

Affords absolute protection to the cloth.
Made in both Nickel and Silver Plate.

For prices and particulars address
THE IDEAL STRAINER CO.,
208 State St., Boston, Mass.

Seed's
New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : : :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

J. H. SEED, Manufacturer,
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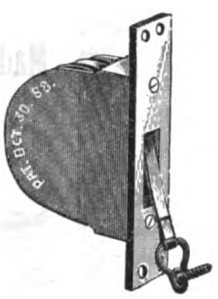
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"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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IF THE COAT FITS, PUT IT ON.

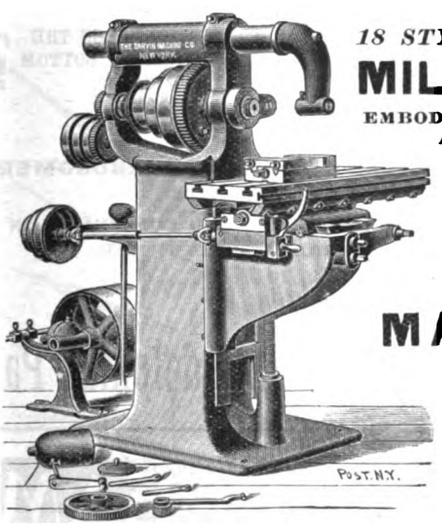
We make good goods, and sell them to the best trade, who sell the best class of Hardware. If there are any of the above who are not already selling

THE CALDWELL SASH BALANCE,

We solicit their orders.

CALDWELL MFG. CO.,

Box 1022. *ROCHESTER, N. Y.*



NEW No. 15 MILLING MACHINE.

WE BUILD *18 STYLES,* OF *27 SIZES*

MILLING MACHINES,

EMBODYING THE MOST ADVANCED IDEAS AND ADAPTED TO EVERY VARIETY OF MODERN

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IMMEDIATE DELIVERY

Can usually be made of any style or size.

MACHINE TOOLS

OF ALL KINDS IN STOCK.

☞ Write for Our 1894 Illustrated and Descriptive Catalogue.

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Laight & Canal Sts., New York.

Also 51 North 7th St., Philadelphia, Pa

THEO. M. HASS,

MANUFACTURER OF

Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

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FENCING, STABLE FIXTURES, WINDOW GUARDS, GRILLES, FIRE ESCAPES, OFFICE RAILINGS, SIGNS, STAIRS, JAIL CELLS.

CATALOGUE FREE.

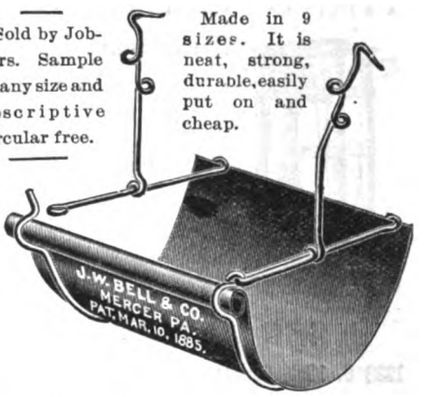
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Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

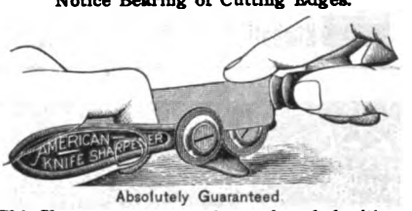
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CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

The AMERICAN KNIFE SHARPENER.

PATENTED FEB. 23, '92.

Notice Bearing of Cutting Edges.



Absolutely Guaranteed.

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.

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MYERS REVERSIBLE STEEL & WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

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FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
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HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

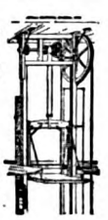
Is the BEST on the market.

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Improved Quick and Easy Rising Steam, Electric and Hand Power

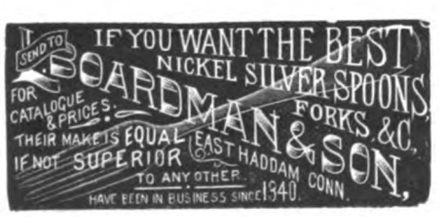
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Send for Circulars.

Kimball Bros. Council Bluffs, Ia.







Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn-Steel Bottom Cans.

SOLD BY LEADING JOBBERS.





HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

OHIO ICE CREAM



A high-grade Freezer.
Mechanically Correct.
Fittings Accurate.
Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

FREEZER

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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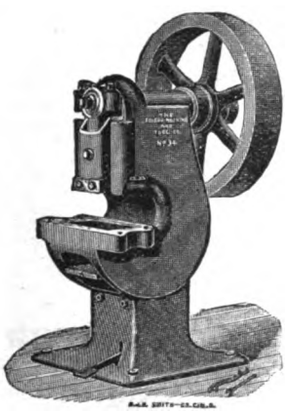
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BRANCH OFFICES:
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671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

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Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.



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—WE MANUFACTURE—

Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.

Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.



COATES CLIPPER MFG. CO.,

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MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

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You have no risk on the quality.
We make only the best



Sand Papers in Reams and Rolls
Flint Paper
Garnet Paper
Emery Paper
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H. & A. FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co.

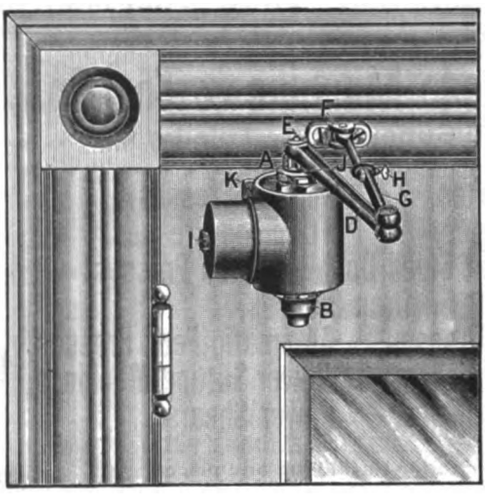
700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
108 LAKE STREET, CHICAGO.

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LIQUID DOOR SPRING AND CHECK.











P. & F. CORBIN,

MANUFACTURERS,

FACTORIES & GENERAL OFFICES —AT— NEW BRITAIN, CONN.

WAREHOUSES:

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CHICAGO: No. 63 Washington St.
PHILADELPHIA: No. 925 Market St.

OHIO "WATER TIGHT"

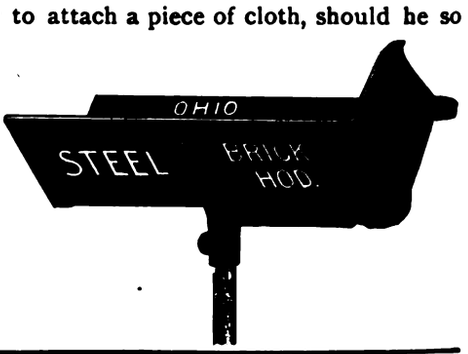
STEEL MORTAR and BRICK HODS



OHIO "Water Tight" Steel Hods are from 25 to 50 per cent. lighter when in use than the common wooden Hod.

Ohio "Water Tight" Steel Hod bodies are positively Water Tight. These bodies are the only ones made, folded from a single piece of sheet steel without cutting the metal, are reinforced on the edges and at the dumping point By our special devised machinery we are enabled to furnish the strongest, lightest, most durable and only double end mortar and brick hods offered to the trade.

Our improved Malleable Iron Fork and Wooden Shoulder Saddle make it easier for the user to carry, or to attach a piece of cloth, should he so desire, to the under side of the saddle than the old style.



With our improved one piece Malleable Iron Fork and socket for holding the hardwood handle and taking up the shrinkage, a broken handle can be readily replaced, and hods shipped knocked down.

The Geauga Foundry and Mfg. Co.,

PAINESVILLE, OHIO.



WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.





"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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ESTABLISHED 1828.

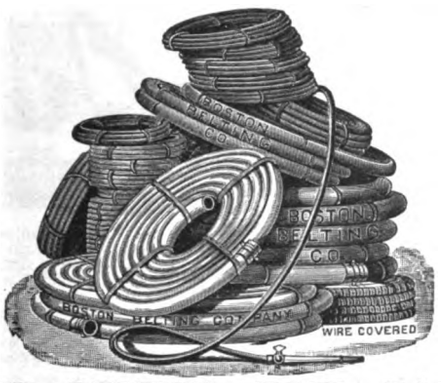
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



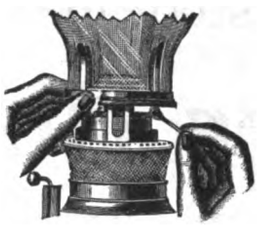
RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | NEW YORK: 100 Chambers Street.

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14 North 4th St...Philadelphia, Pa
26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
25 6th St.....Pittsburgh, P
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
127-9 S. Meridian St. Indianapolis, Ind
227 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

Main Office and Factories, Meriden, Conn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

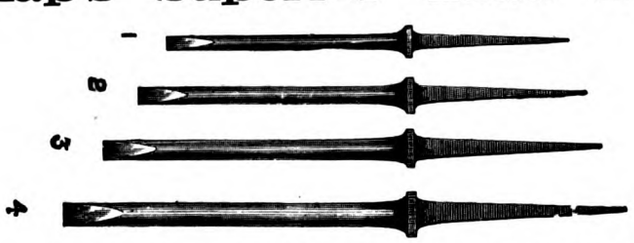
Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Brad Awls.



These Awls are made from Best Cast Steel, are carefully hardened and tempered and first-class in every respect. Manufactured by

C. W. DUNLAP, P. O. Address, Box 2703, New York.

P. & S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER.

KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST. NEW YORK. 109

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



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CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD."

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



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TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

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Are you interested in

Rubber Hose

that you can sell with satisfaction and profit?

Our Brands are

Maltese Cross
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They have an established reputation and they are the best on the market.

Samples and prices cheerfully furnished.

THE GUTTA PERCHA & RUBBER MFG. CO.

Established 1855.

Belting, Packing, Hose and Mechanical Rubber Goods of every kind.

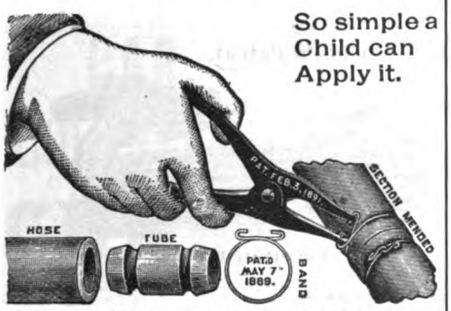
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Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in these goods for You, and possibly an Agency.

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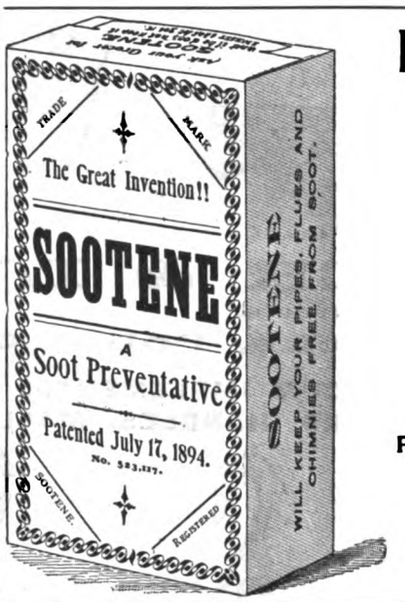
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Sash Chains, Padlocks and Plumbers' Supplies,

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Models, Special Tools

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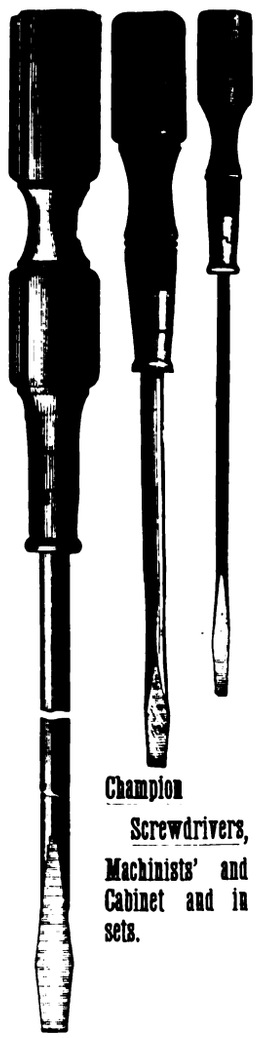
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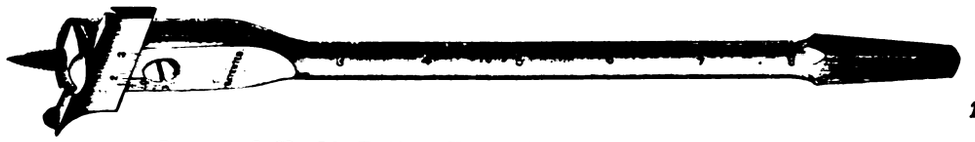
"HARDWARE."

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Carpenters and Machinists' Tools.

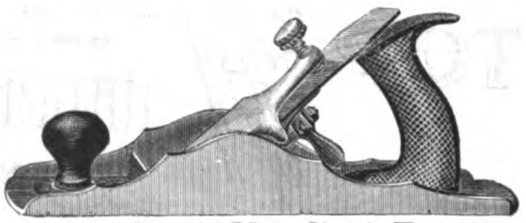


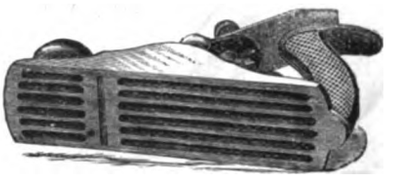
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

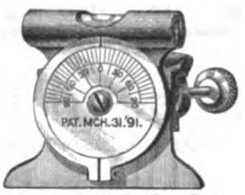
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





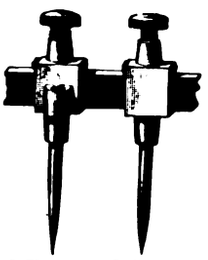
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Chaplins' Patent Iron Planes.



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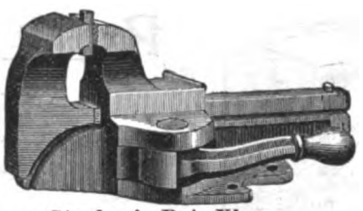


Plumb Bobs and Trammel Points.

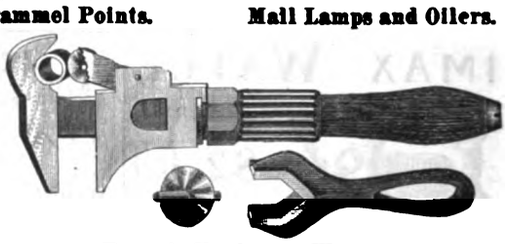




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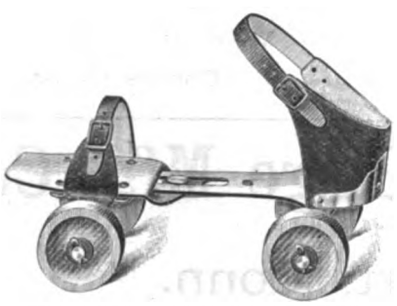
Tower's Engineers Wrenches.

TOWER & LYON,

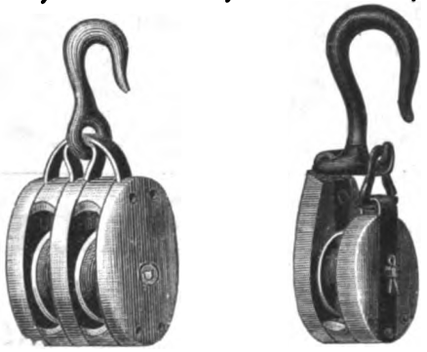
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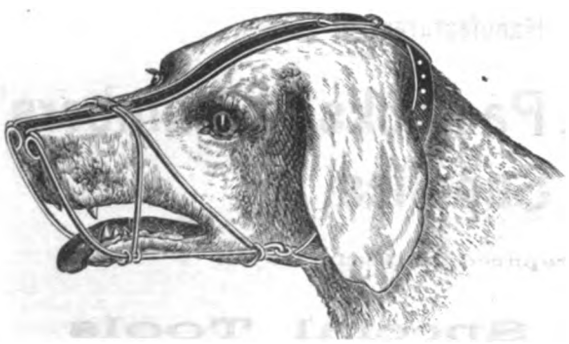
EXTENSION ROLLER SKATES.



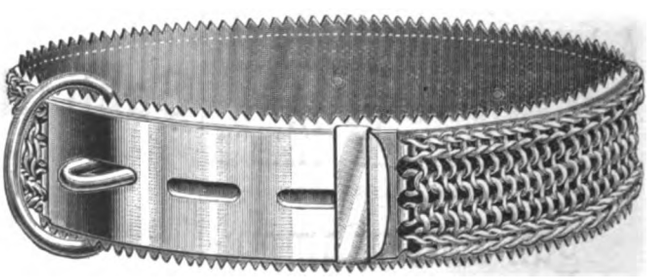
UNION BRAND TACKLE BLOCKS.



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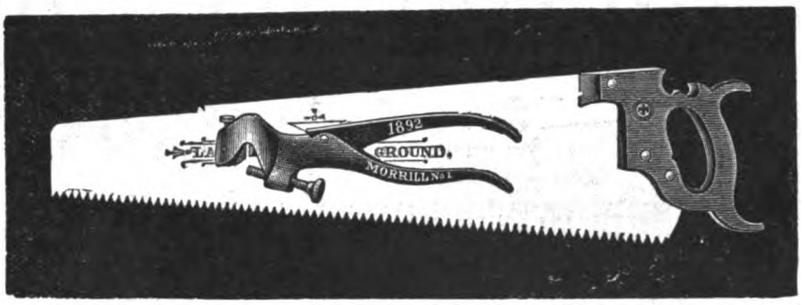
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Universal
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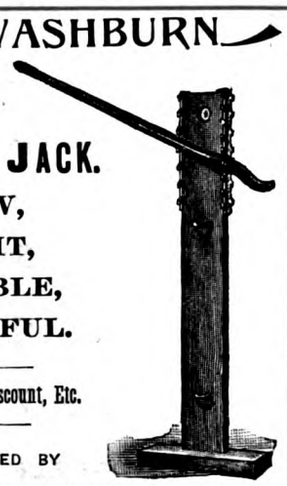
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THE WASHBURN
A
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POWERFUL.



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The "CURTIS"



9 inch.	15 inch.	18 inch.	22 inch.
$2.25	$3.00	$3.50	$5.00

"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	¾—⅝	½—1	¾—1⅝	1½—2½	2¼—3¼
Length	5	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.
The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

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VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,
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THE BEST EQUIPPED FILE WORKS IN THE WORLD.

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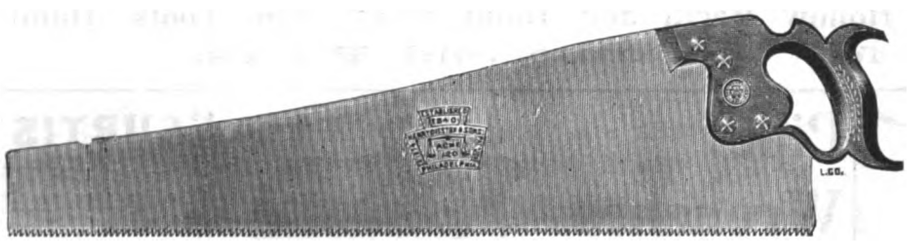
SPRING JOINT STEEL RULES.

K. & E.

Pocket Rules, plain and with springs.

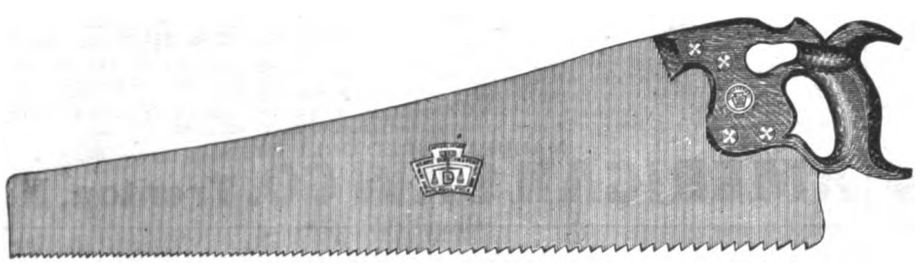
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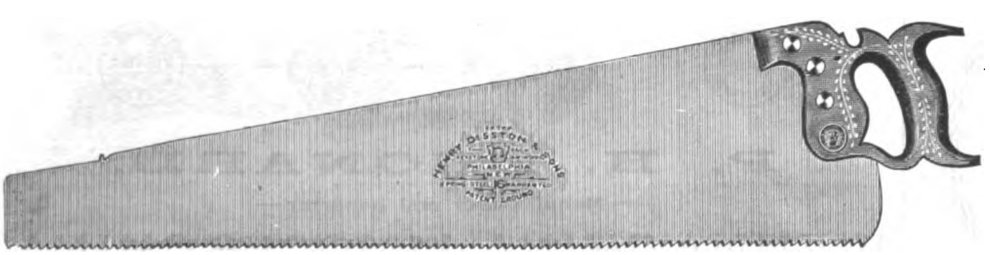


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Extra London spring steel, warranted, carved and polished apple handle. A fast, smooth cutting saw runs entirely without set in dry seasoned lumber. Designed only for first-class workmen.



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3000 Varieties,
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Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. **Price Very Low.**

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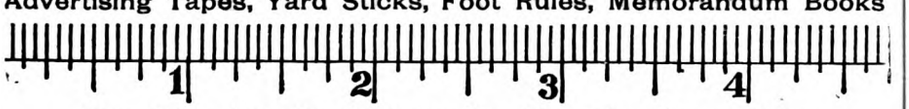


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Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free**, express charges **unpaid**, a sample pail.

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have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:

MENS'

$100,

$90,

$75.

26 in. Boys'

$50.



PRICES:

LADIES'

$100,

$75.

26 in. Girls'

$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

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HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.

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We offer no old style stock.

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EVERY PAIR OF OUR ICE SKATES IS

Put up in a Pasteboard Box.

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HARDWARE

VOL. X. FEBRUARY 25, 1895. NO. 10.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
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MELBOURNE, - - - - - McLEAN BROS. & RIGG.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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The Hardwaremen of New England, like their friends of Philadelphia and New York, endeavor to beautify the details of dry business by an occasional social reunion. Within several days past three festal gatherings have occurred in that section, detailed reports of which are found elsewhere. The members of this great trade have been a little late in discovering that all work and no play dulls Jack's intellect, and they seem anxious to make up for lost time in the fervent pleasure of the present. Their endeavor is not misplaced. The good results of these gatherings are so patent that their continuance in the future is certainly assured.

The gentleman from Lowell, whose speech is given in full in our report of the New England Hardware dinner, expressed some sentiments which cannot be too carefully considered in these times when so many vital questions demand the attention of American citizens. Mr. Stevens presented with considerable force some things that cannot be much longer ignored.

Reports from various sections of the country show a little better feeling as to the business situation. In most cases hope and expectancy are modified by the little word "if"—generally used in about this shape: "If Congress——;" but it must be remembered that in many cases prosperous times have come despite Congress.

The Lesson of the Department Store.

There has been for some time a growing anxiety on the part of conservative dealers in Hardware in such large cities as are actively increasing in population—in regard to the inroads being made by the department stores on the sale of those specialties in several lines—which being new and attractive, make them worthy of being marketed at a fair profit.

The department stores, having so large a field for the cultivation of traffic, are prone to cut down the natural profit and look for larger sales to remunerate them; and this system is just the reverse of that pursued by the more methodical dealer in Hardware, who really believes in his inmost heart, that nobody would buy a thing he did not really want, at any price; and so makes a selling price which includes a profit, believing if the purchaser needs the article he will buy to supply his needs. Herein it seems that his conservatism is at fault, having been founded in the early days when wages were smaller and novelties were few, necessities only being sought after, and even those who could have purchased such necessary articles of a fairly luxurious character, lived much more plainly in their happy domesticity than the clerk of to-day, who finds a salary of $1500 a year insufficient to make his life one of comparative comfort in a flat, rented at $35 a month.

And yet, in this very stimulation of the wants of the masses, which is the secret of the success attending the sales of department stores, there is a method teaching a lesson to the older dealer. Greater sales create greater purchases, and the buyer of lots of ten to twenty-five gross is entitled to prices which such dignified quantities should readily suggest, while the buyer of single dozens or quarter grosses of the same goods, catering as he does for the deserving few and not the countless bargain hunters, must purchase in a manner that inspires no intention of sacrificing full commissions.

We must face the fact that there is for him a lessening ratio of profits all along the line. It is no longer possible to do his usual amount of business in gross sales, and declare satisfactory dividends. Low prices on the products of our factories have come to stay, and close profits will henceforth be the rule instead of the exception. The American characteristic to-day is to increase the output and find new methods of distribution, new channels of traffic, rather than restrict a healthy production, and sit down contented, believing our business ambition is at least fully gratified.

The old-fashioned dealer must adopt the plans and systems of the department store hustler, and on articles of active competition be satisfied with a much smaller average profit; while the necessarily slow moving articles, found nowhere else but on his shelves,—articles in which skill in manufacture and a standard for excellence combine to deserve the commendation of intelligent buyers—should be sold at an advance on cost which their relative importance and slow sale should

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entitle them to. Goods which everybody sells, creating an unhealthy competition, should be sold at a close margin, thus inspiring that confidence in the watchful buyers which causes them to buy from him such goods as skilled intelligence considers requisite, without the opportunity of comparing his selling prices with the current newspaper quotations of the "Cheap John" of the multitudinous bargain counter.

A Hardware Club for Chicago

The Hardwaremen of Chicago are waking up to the fact that in organization lie many benefits to all concerned. In an exchange from that busy city we find an article headed: "Why not have a Chicago Club?" Why not? The officers of New York's famous club will be only too glad to furnish points to their brothers of the West. The writer above quoted, continues: "Western Hardwaremen who go East return singing the praises of the Hardware clubs of New York and other sea board cities, whose hospitalities and benefits they are permitted briefly to enjoy, and not a few rather prefer to be in New York about the time any notable club event occurs in order that they may breathe this genial air of clubdom. It is grateful to their senses and satisfying to the eternal fitness of things. These clubs are of recent date. A few years only marks their span of life, but how rapidly they have grown in popularity, in power and in usefulness. . . . There are in this city several hundred wholesale dealers in iron, manufacturers of iron and representatives of Eastern concerns who would make eligible members of an organization of this kind. There are, also, scattered throughout the West in territory tributary to this city, many iron men who would appreciate the club and cheerfully co-operate in making it a success. The benefits would be numerous. The club would be a common meeting ground for Hardwaremen, and association in a score of ways, as has been amply demonstrated in the East, would redound to the lasting benefit of members. . . . Hardwaremen of Chicago and vicinity, do you want a club?" Of course they do.

Hardware Festivities at Springfield.

The Hardware Social Club of Western Massachusetts, including Springfield, Westfield, Holyoke and Chicopee, held their regular meeting at the Board of Trade rooms, Springfield, on February 12th. The business meeting was held in the afternoon, and in the evening the Hartford Hardware Association were entertained at supper in the Massasoit House. Some short speeches were made. C. J. Blackstone, Springfield, is president of the club, and J. Douglas Law, Springfield, secretary.

Hon. Joseph Banigan, president of the American Wringer Co., will build for himself during the coming spring a residence at Woonsocket, R. I., at a cost of $50,000. Mr. Banigan has also a fine residence in Providence, R. I., and is known there for the elegance of his entertainments and his hospitality. He is a millionaire and possesses positive shrewdness in business matters.

On the morning of January 6th the handle factory of Gilbert & Young, Findlay, Ohio, burned to the ground, entailing a total destruction of stock, buildings and machinery. An increase of gas pressure during the night was the cause assigned for the fire starting. The loss was about $6000, with no insurance.

Yale & Towne's Buffalo Office.

The Yale & Towne Mfg. Co., under date of February 1st, make the following announcement in regard to their Western business: "We beg to announce that for the better conduct of our business in Buffalo, Pittsburgh, Cleveland and adjacent points, we have opened an office in the Builder's Exchange, Buffalo, and have appointed as manager thereof J. M. Wilson, for many years connected with our houses in New York and Chicago. The office heretofore maintained by us in Pittsburg (in large part for the conduct of our crane business, which we have recently disposed of) has been closed and merged with the Buffalo office. The purpose of these changes is to enable us to give closer and better attention to the conduct of our business with customers in the territory of which Buffalo is the central point. The new office in Buffalo will be equipped for the efficient conduct of our correspondence, exhibition of samples and transaction of general business relating to all our products. Its relation with our general offices at No. 280 Broadway, New York, and with our works at Stamford and Branford, will be such as to ensure the prompt and careful execution of all orders. The manager, Mr. Wilson, hopes within a short time personally to call on many, if not all, of our customers whose business will be transacted through our Buffalo office, and will be pleased always to receive them when they can make it convenient to call at that office."

A New Hardware Association.

We welcome to the company of Hardware Associations of the United States and Canada, the newly formed St. John Iron & Hardware Association, of St. John, New Brunswick. This new organization is for the purpose of social intercourse, discussion of all matters of interest to the trade, the fixing of prices, regulation of freights, etc. All houses engaged in the iron or Hardware trade of St. John are eligible to membership in this organization. The officers are as follows: President, W. H. Thorne; vice-president, S. Hayward; secretary and treasurer, J. J. Barry. Directors: Thomas McAvity, R. B. Emerson, F. Beverly. Executive Committee: W. H. Thorne, S. Hayward, Thomas McAvity, R. B. Emerson, F. Beverly and J. J. Barry. The annual meetings will be held on the second Monday of January on each year, and regular meetings on the first Monday of each month.

An Export Consolidation.

It is reported that Flint & Co., and Coombs, Crosby & Eddy have consolidated their business under the new style of Flint, Eddy & Co., with a capital of $3,500,000. Both firms have done a large business for many years with the Latin American countries and the British colonies. Owing to the curtailment of demand in the United States, American manufacturers are now seeking foreign outlets, and this consolidation is designed to meet the increasing export trade. The business of Coombs, Crosby & Eddy was started thirty-seven years ago by Congressman W. J. Coombs. The business of Flint & Co. was founded in 1840 by Benjamin Flint. The principal parties in interest in Flint, Eddy & Co., are Ulysses D. Eddy, Charles R. Flint, the Hon. William J. Coombs, William Marshall, Henry F. Crosby, Alfred De Buys, Thomas A. Eddy and Wallace Benjamin Flint.

Mention was made in the issue last preceding, of the death af John Adt, of John Adt & Son, New Haven, Conn. The business will be continued as heretofore, under the management of A. G. Adt, who has been associated with the firm for the past twelve years, and under his active management all future orders and inquiries will receive the same promptness and attention that has been given those of the past.

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Western New England

HAS ITS TURN AT BANQUETING AND SPEECH-MAKING.—ANNUAL MEETING AND DINNER OF THE WESTERN NEW ENGLAND IRON, STEEL AND HARDWARE ASSOCIATION IN NEW HAVEN.

The annual meeting and banquet of the Western New England Iron, Steel & Hardware Association, was held in the Republican League, on Chapel Street, New Haven, Conn., on Friday, February 15th. The meeting was not a large one, only sixteen delegates being in attendance. But what it lacked in members was made up by the hard work and enthusiasm of those present. On account of the absence of the president, L. L. Ensworth, the vice-president, S. S. Hunter, acted in his stead.

At the business meeting, which was held in the morning, it was unanimously decided to maintain prices. The following officers were elected for the ensuing year: L. L. Ensworth, of Hartford, President; S. S. Hunter, vice-president; R. S. Woodruff, of New Haven, secretary; C. C. Lewis, treasurer. A board of directors were also chosen. At 2 o'clock the delegates filed into the dining-room and sat down to a bounteous repast. The hall was handsomely decorated with palms, and in the center of the table stood a large vase filled with roses and carnations. The menu is here given:

MENU.

Little Neck Clams. Tom Gin. Cock Tails.
Soup. St. Julien.
Red Snapper. Parisienne Potatoes.
Chicken Croquettes. French Peas.
Capon. Mashed Brown Potatoes. Asparagus.
Jelly. Celery.
Roman Punch.
Chicken Salad.
Frozen Pudding. Cake.
Fruit.
Club-house Cheese. Bents' Crackers.
Coffee.
Wines and Cigars.

The following are the names of those present: E. L. Haley, president of the New England Iron & Hardware Association, Boston; R. H. Boutwell, C. C. Lewis, F. W. Hallock, H. L. Russell, H. H. Ensworth, son of the president, H. H. Ensign, F. H. Butts, secretary of the New England Iron & Hardware Association, Boston; Samuel Dudley, A. H. Downs, F. W. Parmalee, M. H. Tanner, W. P. Ensign, L. H. English, R. S. Woodruff, Mr. Chapman and R. H. Spurgeon, of HARDWARE, New York. All expressed themselves as satisfied with the working of the Association, as it tended to shut out New York competition which has been felt considerably in some parts of New England. R. S. Woodruff favored the formation of a central association, by the members of the Western New England Hardware, Iron & Steel Association becoming members of the New England Iron & Hardware Association, and vice versa. At a few minutes of five the company dispersed, with many expressions of kindly feeling and regret. The next meeting will be held in Hartford about the end of March.

Ohio Hardware Association.

The annual meeting of the recently formed Ohio Hardware Association was held at the Neil House, Columbus, Ohio, on February 13th. From various causes, but fifteen members were present. A number of communications were received endorsing the work of the Association, and expressing regrets from those unable to be present. Many subjects of interest were discussed. The following officers were unanimously re-elected for the coming year:

President: T. J. Morris, Lima, Ohio.

Secretary and Treasurer: Theodore Butler, Akron, Ohio.

Executive Committee: J. H. Kauke, Van Wert, Ohio; F. Haberman, Marion, Ohio.

It was decided that the next meeting should be held at Dayton, the members from that city having volunteered to see to the entertainment of members of the Association. The following resolutions were adopted, and the secretary instructed to send a copy to the Hardware dealers of the State, with the request to signify their endorsement by early application for membership:

MEMBERS.

The Ohio Hardware Association is an association of dealers selling Hardware at retail in the state of Ohio. There are many jobbers of Hardware, who in connection with the jobbing business, have a retail department; in their capacity as retailers we want their co-operation and membership, provided they are willing to endorse the principles of this Association.

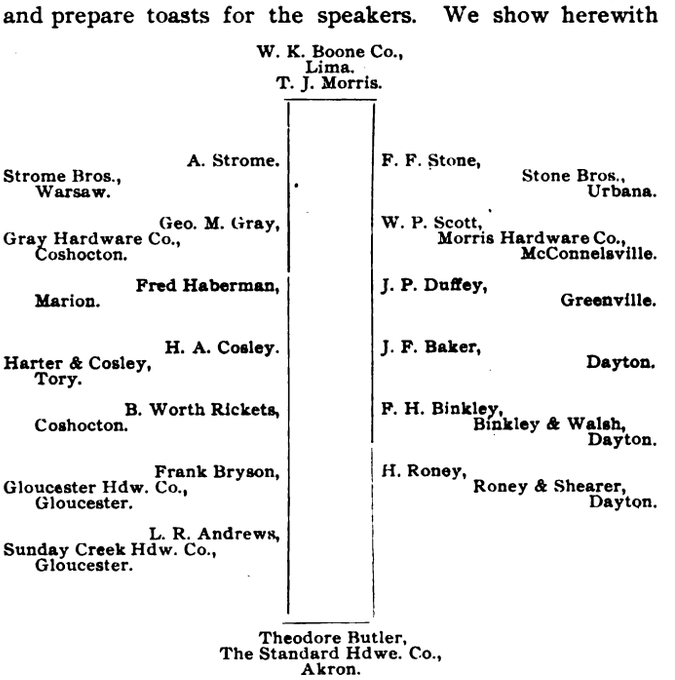
PRINCIPLES.

We claim the right to supply our goods to consumers, factories and builders, and we demand protection in this right from those from whom we buy, viz., the manufacturers and jobbers of Hardware. We recognize that competition compels factories to purchase material, which forms a part of their manufactured product, direct from manufacturers or jobbers, and that in this respect, they are entitled to all the privileges of the dealer. We pledge our support and preference to all jobbers and manufacturers who are willing to recognize these principles, and will market their product through the legitimate channels of trade; but will refuse to purchase from those who seek to establish direct communication with consumers.

THE PURPOSE OF THE OHIO HARDWARE ASSOCIATION AND ITS ADVANTAGES TO MEMBERS.

1. Protection of our members from interference with our customers and trade by those from whom we purchase.
2. Influencing efforts against demoralization in prices of leading staples.
3. Protection of members against losses, through bad debts.
4. Combined (influence) efforts in influencing legislation beneficial to our interests in dealing with arbitrary measures of large corporations.
5. Concerted action in favor of condemning changes in established business methods of manufacturers and jobbers.
6. Social intercourse and discussion of the subjects of interest to the Hardware trade.

At the conclusion of the business meeting, the members repaired to the private dining room of the hotel, where a supper was served. This was followed by informal remarks from all present. This social feature was an entirely impromptu affair, and was thoroughly enjoyed by all. The secretary was instructed to arrange for a regular banquet, and prepare toasts for the speakers. We show herewith



the arrangement of the table, and the names of the gentlemen who participated in this little banquet at the capital of the Buckeye State.

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"Hop's" Corner.

I was very much amused the other day to have a respectable looking old gentleman of about fifty-five, accompanied by another o. g. about sixty-five, call on me in my workshop and ask if the company in whose service I was courting paresis, undertook to manufacture specialties for inventors on a royalty or otherwise. Assuring the gentlemen we were only too glad to earn an honest dollar or two by laboring in that direction, he took carefully out of his pocket what he said was a recently patented "combination oil cloth cutter and circular jaw can opener," which he had been assured by "a number of his lady friends," would revolutionize anything of a similar character now upon the market.

I could scarcely keep my countenance from assuming the appearance of undue hilarity when the gentleman, removing the covering, brought to light a pair of ordinary sardine scissors, having a clumsily contrived catch underneath by which they could be kept closed when necessary; and this was the new patented invention; a more surprised man you never saw, than he was, when I showed him the identical article in several catalogues within reach, and informed him it had been made for thirty years and over without anyone thinking it worth while to patent it for its utility. He couldn't comprehend how they could permit *him* to get a patent for an article of such universal manufacture. I told him I supposed obtaining patents by the payment of the customary fees was easy enough, but defending them was another thing. He, however, had one advantage; he could limit his outlay to the cost he had already incurred, but as an oil cloth separator, the sale, I argued, would not prove embarrassing to ordinary manufacturing facilities.

I thought somebody must have buncoed the ingenious old gent into buying a valueless patent.

There has been for some time an effort made by Patent Commissioner Seymour to secure a division of classification of patents, different from that which at present prevails by which they are classified according to *uses*. There is no systematic method adopted which can determine if a given principle has been patented for any other use than that to which originally it was proposed to be applied, and as an exchange recently observed on this subject: "Some of the experts in the Patent Office sometimes carry principles of this class in their minds, but in other cases they are overlooked until cited in court by some clever attorney who is able to overthrow the claim of originality which has been admitted prima facie by the Patent Office in the grant of a patent. Useless grants and expensive litigation would be avoided if a complete classification by principles was made, and Commissioner Seymour considers this of more importance than some other proposed changes in the law."

Let us hope he will succeed in accomplishing this desirable reform.

We all know the salesman, so clever and smart,
Who believes to each customer, he can knowledge impart;
Who knows he can sell, upon this trip, you bet!
More goods, by a long chalk, than he ever has yet.
But, with all his "close prices,"
To encourage his "biz,"
Expectations measure this size, ————,
His performances this, ——.

In meandering around to lunch recently I noticed a few "curiosities of literature" in the way of the sign makers' art. On a sign near the Cosmopolitan Hotel, the way they spell the just now popular word is "Bycicles." No doubt the article could be ridden just as easily spelled that way; but I am in favor of "Buy Cycles" if any permanent change in the orthography is intended. On a prominent corner in Church Street I noticed "Axe, Pick &c. Handles." Now, while I'd hate to tackle the job of handling an "&c.," for, like Victor Hugo's octopus, it might have too long a reach, I wouldn't give it up without trying. Somewhere near Leggat's a neat sign in the window announces that a gentleman desires to act in the capacity of "Man'fg'rs Agent." I have worn a bald spot on my head wondering what the abbreviation represented, but finally concluded the party in interest was a "mason critter" and had been instructed never to go back on the letter "G," which might come handy to have around some time or another. I remember seeing the same word—or abbreviation of it—handsomely embroidered in brass, on the delivery wagon of a prominent Brook Avenue lock maker. The use of it would thus seem to be

"A custom
More honored in the breach than in th' observance."

"Hop."

A Davenport Banquet.

From the Davenport (Iowa) *Leader:* The annual banquet given by the Sickels, Preston & Nutting Co., to their employees, which was postponed from last week on account of the weather, took place Thursday evening at Schuetzen park. After the banquet, which could not have been otherwise than thoroughly enjoyed by all, a musical programme was carried out, followed by dancing until a late hour. Those present were: Mr. and Mrs. J. R. Nutting, Mr. and Mrs. L. H. Nutting, Mr. and Mrs. Harbeck, Mr. and Mrs. Newhaus, Mr. and Mrs. A. L. Small, Mr. and Mrs. Dannacher, Mr. and Mrs. Fredersdorf, Mr. and Mrs. E. J. Douglas, Mr. and Mrs. J. T. Harrison and Mrs. C. A. Mitchell, the Messrs. Ralph Nutting, Carl Rascher, William Turner, Fred Kunkel, O. S. Clark, Oscar Harbeck, Howard Andrews, Edwin Crammer, Frank Adde, L. Beling, Charles Satorious, E. Wilkins and Misses Beryhill, Reupke, Harrison, Brandt, Turner and Crumpton. Apropos of the occasion the following timely bit of poetry was wafted into this department of the *Sunday Leader*. The author is supposed to be one of the banqueters who sometimes drops into poetry:

They went in a sleigh,
With seats made of hay,
All bound to be gay
To the Banquet.

On the house had a pull
Of course they got full,
On things hot and cool
At the Banquet.

They waltzed in a whirl
Each with his best girl
Till the bangs lost their curl
At the Banquet.

Came home late at night
All sandwiched in tight
Moon shining too bright
From the Banquet.

T'is now the "Next day"
With looks they all say,
They wish ev'ry day
Brought a Banquet.

Joseph Parker's Sons, of Germantown, Philadelphia, have accepted the agency for the Syracuse Crimson Rim Bicycles, and also that for the Elmore, and will make a strong push to have the riders of that vicinity well posted as to the merits of these wheels. They have added a bicycle and sundry department to their already large combination store.

At the annual meeting of the Hunter Arms Co., Fulton, N. Y., the following officers were elected: President, John Hunter; vice-president, Thomas Hunter, Sr.; secretary, John Hunter, Jr.; treasurer and manager, Thomas Hunter.

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Porter to Partnership.—VII.

I have no doubt many who read this will agree with me that the hardest work they do is going to the city to buy goods. After a long experience at it one may so arrange his programme as to save himself a deal of work, but at its best it is tedious and wearing. To go to a large city an entire stranger with instructions to figure around before buying is getting the hardest task that could be laid on your shoulders. To a country youth there is an excitement in the bustle and hurrying him that of itself is tiresome. The streets of New York offer so much that is new and attractive to him that he is led on and on and never suspects that he has walked a very long distance until his legs begin to admonish him of the fact. I remember complaining to a friend that New York tired me much quicker than the same amount of travel would do at home, and he took down a map and showed me I had taken a walk of over four miles, and was comparing it with one of less than a mile at home.

It looks on the surface as if it were simply taking one's case to go into a store and write down the prices given you, and that a day of such work would be an easy one, but this is wide of the truth. You enter a store, introduce yourself to some one, have to give some idea of what you are after, and when a salesman waits on you have all your wits about you. You want his best prices, you want to post up on new goods and patterns, and you are on the alert to see where you can buy best, and what you had better buy.

My first day at this kind of work was a very tiresome one. I looked through three dry goods stocks, one notion stock, and a stock of crockery. I enlarged my ideas a great deal that day.

In our little town at home the people were mostly American born; when the Germans came there the general feeling among young and old America was that they were a very inferior class of people. The old native farmer sneered at "furriners" and vowed they ought never be allowed to vote. I have no doubt I imbibed much of this feeling, for I rather patronized my German customers, and felt as if they were behind our world. But I had not been long in New York till I began to get my ideas enlarged on this head.

In one of the largest stores I entered I was met by a German, and a glance told me all the others in the store were like him. He was only a clerk and suggested introducing me to one of the firm—Mr. H. I had never known what true politeness meant till that moment. Mr. H. greeted me as kindly as if he had been an old friend, put me at my ease in a moment, and seemed to pay me and my opinions a deference which, coming from him, was the most subtle kind of flattery. The entire accommodations of the store were placed at my disposal, and in such a way that I could have no doubt but that the offer was a hearty one; kind enquiries were made to see if I could not be assisted by them while in the city, and in talking about their goods not a word was said against other houses of different goods.

Since those days my ideas of life and of the world have grown somewhat, and the word "foreigner" no longer means a term of reproach. The nationality of a man long since ceased to be a matter of any importance to me, and if I have a weakness, it is to heartily despise the man who assumes airs because his father or grandfather happened to reach this side of the waters a few years ahead of some one else. It is a sure sign to me of a narrow experience and a very small mind.

Finishing my day's work about half-past four I started from Canal Street to the Astor House; I was pretty well fagged out, and was just going to hail a 'bus when I felt a hand on my coat. I had had enough of New York to know at once that my pockets were being picked, and I turned like a flash and caught the hand that was at my pocket, but instead of the expected thief it was my friend Fisher.

"Is it you, Fisher?"

"Yah, it was me; you walk like shteam poat; what's de matter?"

"Nothing; I am pretty tired, and was just going to hail a 'bus. Where are you going, and how are you getting on?"

"I pe goin' nowheres, and I tont got on at all."

"What's the matter?"

"De ship was not in—the man can't dell when."

"He don't know when it's coming?"

"Dot's it."

"What will you do?"

"To? I will to nodings."

"Will you stay here for it?"

"Shtay? to be sure I vill shtay; what I goom for?"

"Have you had your dinner?"

"Tinner? I should guess so. Tinner? I am yust goin' for mine supper."

"What are you going to do to-night?"

"Yusht schmoke."

"Come around to the Astor after supper?"

He agreed to come, and when I came down from dinner I found him waiting for me. We sat in the reading room an hour, he smoking and I reading the day's papers, when a hand was laid on my shoulder. It was Mr. Fry, and I suddenly remembered he had invited me to go to the theatre with him. I wanted to go, but I had asked Fisher over to see me, so I said to Fry, I was sorry I could not go, as I had a friend there who came to spend the evening with me.

"Ask him to come with us," said he. Fisher was ready to go, and had never been to the theatre in his life, he said, so we started for an uptown theatre.

I had been to many small shows in my village, but they were very small affairs, though I had enjoyed them thoroughly. Our hall was about 20x40, and the entire scenery consisted of one curtain. I had seen that used frequently in one evening for a parlor, a dungeon, a garden, a forest and a saloon, and I had enjoyed it each time. To go from such a hall as that to a New York theatre was indeed a change. The handsomely upholstered seats, the gilt on all wood work, the handsome scenery, the music and the actors; it was almost like seeing heaven; Fisher and I said little to each other till we got out doors; we shook hands with Fry, and Fisher turned to go to his hotel, He drew a long breath—"My gootness, Marks, dat was heafenly nice!"

I agreed with him perfectly.

Keg as Cash Box.

J. J. Van Wyck, a Hardware merchant in Kansas City, Kan., had an experience some time ago that he will remember for days to come. One night, as he was closing his store, two highwaymen leveled a revolver at his head, and commanded him to walk into the store. He walked. The robbers tied him to a chair and commenced a search for money. They could not find any, and Mr. Van Wyck was compelled to open the safe, but it was empty. The highwaymen grew angry and flourished their revolvers in the face of the prisoner, and told him that he must either tell where the money was or get ready to die. Fearing that his captors would execute their threats, he opened a keg of nails, and turned out $100 in cash, a lot of checks and some county scrip. After securing the money, the robbers took the keys of the house, walked out of the front door and locked their prisoner in.

The Wardwell Hardware Co., Rome, N. Y., have succeeded to the general Hardware business formerly owned and conducted by the firm of Wardwell Bros. & Co., and have assumed all outstanding obligations of said firm. The corporation is organized with a capital of $40,000.

A large fire occurred in Newton, Mass., on the morning of February 4th, destroying many blocks, in one of which was the Hardware store of S. O. Thayer.

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Later Building Information.

THE SITUATION IN PHILADELPHIA.

The building interest of Philadelphia at the close of 1894 may fairly be classed prosperous, considering the awful stringency in affairs involving financial consideration. The latter qualification cannot be attributed to local causes, but to national agitation of the tariff and monetary disturbance of the country, as well as the general fear of capital being endangered in large investments such as are necessary to conduct operations of great magnitude, and for which our city, in the matter of home building especially, leads all others in the nation.

One thing, however, is noticeable. The small percentage of those interested in this branch of trade who have been driven to the wall, or sought shelter under assignments, will not exceed, we may safely say, ten per cent. of the whole number. Where individual structures or buildings of a public character have been erected, the percentage is even less than the above, showing a judicious and careful expenditure of money in this particular line. Of course supply and demand always govern the market in buildings as well as other sources of business; hence, when labor is hampered and restricted and becomes what may be called panic-stricken, the burden falls largely upon the producer of our first consideration, a home; and whether purchased or rented the result is the same financially. Still upon the whole, all things considered, the outlook for 1895 is better than the one just past, and is very encouraging indeed.

I herewith append a tabulated result of 1894 in houses alone, gleaned from a reliable and best source, the Real Estate Record and Builders' Guide of this city, from which you can form some conclusion as to our claim as an individual home building city:

1894.	Value.
Two-story dwellings, 3,905	$7,810,000
Three-story dwellings, 2,001	7,603,800
Four-story dwellings, 16	110,500
	$15,524,300

In addition to the above we have erected ten large schoolhouses, costing $641,000, and miscellaneous buildings not enumerated in the above, ninety-four in number, costing $1,897,500.

ST PAUL.

Builders' Exchange: Your kind favor, inquiring as to the business situation in this city, was duly received. In answer will say that, at the close of 1893, business matters pertaining to building were in almost a desperate condition, but towards the close of 1894 a much better feeling prevailed, one of confidence and expectation of a revival of business. The panicky feeling of a year ago is gone, and a moderately fair season of building is expected. Building business reached its lowest depths at the close of 1893. In 1894 came a lull in the downward storm. Now we are enjoying in anticipation a revival of business.

Some Ancient Iron Workers.

Not many industries have that antiquity and so well traced a genealogy as Hardware. The strain of blood found in the first workman in metals was certainly remarkable. His grandfather was naturally Adam, but, unlike most mortals, his "tree" is well defined and his heredity interesting. Descended from Cain, he probably acquired, the phrenologist would say, a large development of the bump called Destructiveness, and quite necessary, it is said, to the pounder of metal. A son of Cain was Enoch, a boy of whom he thought so much as to name the city that he had built after him. Cain was an industrious, active, high-tempered fellow, full of resources: but he must have felt sorely the need of Hardware in building his city. Enoch had a son called Irad and a grandson called Mehujael. Mehujael continued the line with Methusael, and then came the wicked Lamech, who married two wives, almost simultaneously, without the sanction of a divorce court, and he was also a self-confessed murderer. One of his wives was Zillah, and by her Tubal Cain was born. He made an everlasting reputation as an artificer in brass and iron. He spent the greater portion of his time, however, in imparting to others the knowledge which had been so readily acquired by himself.

The process of making iron in those days consisted in placing lumps of ore in a fire of wood or charcoal, and when the reduction took place the mass was hammered into shape. The Assyrians, it is believed, made saws, knives and such tools, and it is understood that the Greeks were fairly adepts in hammering and tempering steel, and so on to the time of the Romans.

Then the chronology of the iron manufacture of steel goes on with this and that improvement until the present day, when we find the Bessemer process by which even highly phosphorized pig is rendered capable of furnishing a fairly good quality of steel.

"From Apprentice to Master."

Under the above caption, *Ironmongery*, an English publication devoted to Hardware, is republishing the series of entertaining articles now appearing in HARDWARE under the title "Porter to Partnership." In a notice of introduction, *Ironmongery* says: "At a time when pantomime claims so much attention, and nursery stories are receiving a vast amount of attention on the stage where artificiality is made to surround every incident, it may seem to some that it savors of Dick Whittingtonian romance to place before our readers the tale of progress indicated in the above title. But that the path of progress has been travelled in real life to the extent of enabling one starting at the lowest rung of the ladder in a business house to become a partner and even the principal of the firm is known to most of us who have considerable experience of this city of London. Here there are numerous men—and some of them a long way off old age yet—who have made the journey to fortune with great rapidity with the aid of hard and unflagging work, and we could name several who entered London, in very truth, without a shilling, who to-day occupy leading positions amongst the wealthy commercial men of the day. These are no doubt exceptional cases, but far more numerous are those in which the rise has been by errand boy or porter to a partnership in a good if not a princely business, and one such experience is being described in a series of articles now appearing in New York HARDWARE. The lesson is worth placing before the assistants and apprentices of our trade, and may stimulate all to greater exertion and a more healthy and hopeful view of the possibilities of the future."

On January 24th the stockholders of the Bridgeport Brass Co., Bridgeport, Conn., met, and elected the following directors: Charles R. Mitchell, Waterbury; George E. Somers, Nelson M. Beach, and Daniel W. Kissam, of this city; Frederick J. Kingsbury, Jr., of Fairfield; B. L. Coe, Waterbury, and C. S. Upton, New York. The officers elected at the directors' meeting were: Charles R. Mitchell, president; George E. Somers, vice-president; Nelson M. Beach, treasurer, and Frederick J. Kingsbury, Jr., secretary.

The forges in Plumb, Burdict & Barnard's mammoth nut and bolt works, Tonawanda, N. Y., have been set in position. The firm expect to start putting in the machinery this week. The works will without doubt be in full blast by September, or sooner, and will employ 1000 operatives.

Aluminum heel tips are coming in vogue in England, and bid fair to come into general use. The leather is better protected than in the ordinary manner, and they will not slip on the wooden pavement, which is quite an advantage.

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The Indiana Bicycle Co.

The Indiana Bicycle Co., Indianapolis, Ind., manufacturers of the well known Waverley wheels, are sending their friends a very artistic catalogue, which presents the claims of the Waverley in a first-class manner, and in which artist and the artistic printer have supplemented the efforts of a ready writer, to make plain before the wheel world just what the Waverley bicycles are, and what the company propose to do during this busy season of 1895. The catalogue is printed in colors with very handsome illustrations scattered through the work, showing the details of construction, the making of the frames and forks, the brazing, the finish, the nickel-plating, and also the various processes through which their sprockets, chains, cranks, bearings, etc., are put. In speaking of the quality of their output the company say: "In the past we have been content to merely equal the standard of our competitors, giving our patrons the advantage of greatly reduced prices. In the production of our '95 model, however, we were determined to build a wheel that would soon establish for itself the reputation of being the highest of all high grades, and we cheerfully recommend the '95 models as being constructed of the very best material that money will buy or human brains devise, and as being built by the best class of mechanics obtainable, under the supervision of the most competent heads known to the bicycle trade."

We are permitted in this connection to show, in Fig. 1, an illustration of the Waverley Scorcher, the weight of which

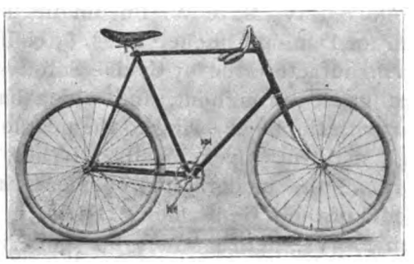


FIG. 1.—WAVERLEY SCORCHER.

with wood rims is 22 pounds, and with steel rims 25 pounds; gear 68, price, $85. The brief of this wheel is as follows: Frame, symmetrieal single tube diamond pattern. Nine and one-half inch ball bearing steering head. Height from center of crank hanger to top of seat post forging, 23 inches. Wheel base, 43½ inches. Front fork, drop forged crown. Flattened sides of Mannesmann seamless steel tubing tapered and gracefully curved. Wheels, 28-inch with Torrington swaged spokes full nickeled, tied at intersections, 28 to front and 32 to rear wheel, attached with brass nipples. Rims, our own make Waverley Clincher, steel or wood, as desired. Tires Waverley Clincher, made under G. & J. patents, 1 1-5 inches in diameter. Axles, lathe turned from solid bar of special axle steel. Bearings, Waverley superior ball bearings all around. Cups and cones turned from solid bar tool steel, then properly tempered. Sprockets, drop forged from finest quality steel. Improved pattern, both front and rear detachable. Chain, new Humber pattern, ¼-inch solid hardened steel block. Cranks, superior quality round pattern, drop forged tempered spring steel, 6¾-inch throw. Pedals, new Waverley combination pattern, either rat-trap or rubber, as desired, rat-traps being supplied unless otherwise ordered. Handle-bar, Mannesmann tubing ⅞-inch, gracefully tapered to ¾-inch at ends, 17 inches across, fitted with corkaline grips. Saddle post, "T" shape, hollow, and strongly re-enforced. Saddle, black Garford, '95 pattern. Finish, four coats superior black enamel. Trimmings heavily nickeled on copper, including front fork ends. Accessories, black tool bag supplied with monkey and flat wrench, pump, oil can and repair outfit. Weight, with Clincher tires and steel rims, 25 pounds. With wood rims two to three pounds less, according to weight of tires. Gear, 68.

In Fig. 2 may be seen their Waverley Belle, the weight of which, with wood rims is 23 pounds, with steel rims 25 pounds, and the price $75. The brief of this wheel is also given: Frame, symmetrical single tube, diamond pattern, with upper tube dropped and gracefully curved. Nine and one-half inch ball bearing steering head. Height from center of crank hanger to top of seat-post forging, 21 inches. Wheel base, 43¼ inches. Front fork, drop-forged crown. Flattened sides of Mannesmann seamless steel tubing, tapered and gracefully curved. Wheels, 26-inch, with Torrington swaged spokes, full nickeled, tied at intersections, 25 to front and 28 to rear wheel, attached with brass nipples. Rim, Waverley Clincher, steel or wood, as desired. Tires, Waverley Clincher, made under G. & J. patents, 1 5-8 inches in diameter. Axles, lathe turned from solid bar of special axle steel. Bearings, Waverley superior ball bearings all around. Cups and cones turned from solid bar tool steel, then properly tempered. Sprockets, drop forged from finest quality steel. Improved pattern, both front and rear detachable. Chain, new Humber pattern, ¼-inch solid hardened steel block. Cranks, superior quality round pattern, drop forged, tempered spring steel, 5½-inch throw. Pedals, new Waverley combination pattern. either rat-trap or rubber, as desired, rat-traps being supplied unless otherwise ordered. Handle-bar, Mannesmann tubing, ⅞ inch, gracefully tapered to ¾-inch at ends, 17 inches across, fitted with corkaline grips. Saddle post, "T"

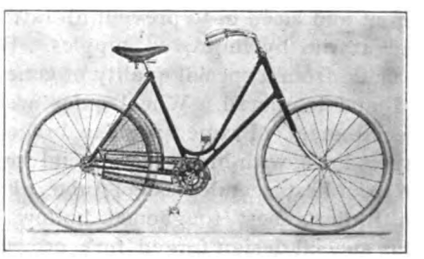


FIG. 2.—WAVERLEY BELLE.

shape, hollow and strongly re-enforced. Saddle, black Garford, '95 pattern. Finish, four coats superior black enamel. Trimmings heavily nickeled on copper, including front fork ends. Accessories, black tool bag supplied with monkey and flat wrench, pump, oil can and repair outfit. Weight, with clincher tires and steel rims, 25 pounds. With wood rims two to four pounds less, according to weight of tires. Gear, 63.

The company will be pleased to send this catalogue and any other matter desired as to prices, etc., to any who may make application.

At a recent meeting of the Goodell Co., manufacturers of cutlery, at Antrim, N. H., the following officers were re-elected for the coming year: President and treasurer, ex-Gov. D. H. Goodell; vice-president, R. C. Goodell: clerk, H. A. Hurlin; directors, D. H. Goodell, E. F. Woods, E. W. Baker, D. D. Goodell, R. C. Goodell. The treasurer's report showed a very fair business for the year 1894 considering the hard times which have been affecting all classes of trade. The prospect for the year 1895 is hopeful. The company have recently come out with a new letter-head showing their factories, including the new electric light and power station.

Sperry & Alexander, dealers in cutlery and Hardware specialties, formerly at No. 28 Warren Street, New York, have recently removed to No. 10 Warren Street. The removal was necessary to accommodate their growing business. The new quarters are neatly arranged, large and commodious.

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A Line of Excellent Wheels.

Edw. K. Tryon, Jr. & Co., Philadelphia, Pa., have issued a comprehensive catalogue of their Apollo, Cycloe and Fairy Bicycles. These wheels are described as strictly high grade, sold at a moderate figure, and made of the best material throughout, having drop forgings, and great care being given to the manufacture of the

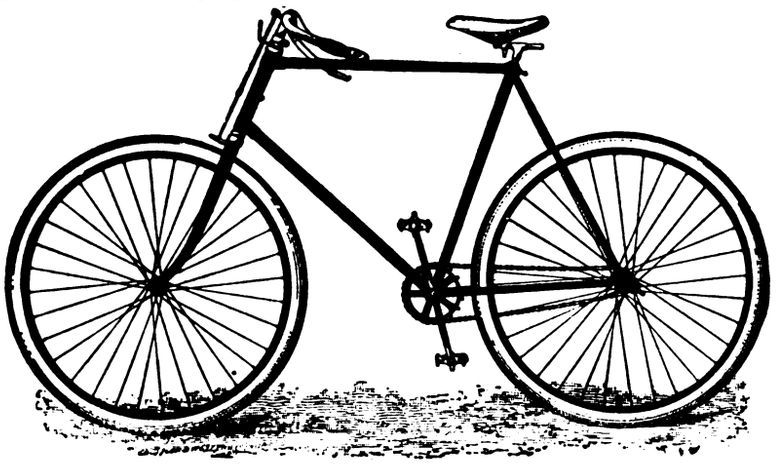


FIG. 1. - APOLLO ROADSTER.

bearings and adjustment of the wheels. In Fig. 1 we show their Apollo Roadster, which is 28-inch, front and rear, fitted with 1¾-inch M. & W. Road Tires. Wood rims, best white ash, finished in natural color. Hubs made from best steel with tempered ball cases pressed in. Spokes tangent and laced in to prevent all rattling, swaged and adjusted at rim by improved nipples. Bearings are dust proof, made from a special quality of cone steel properly shaped and tempered. Wheel axles are also made from a special steel. Frame, regular braced diamond, built on correct lines, with brazed-joints and forced connections, made from best seamless steel tube. Front fork is made from Butler's best toughened hollow fork sides, brazed to our special design forged fork crown. Fork upright is made from heavy gauge seamless steel tube. Head cones and cups, also our crank axle cones, are properly shaped, made from best cone steel, and thoroughly tempered. The crank shaft, to which is keyed and brazed our light detachable nickeled steel sprocket, is also made from special steel; to this is attached by our new crank keys our improved 7-inch throw round forged crank. Seat post is made T pattern from best steel. Coasters and lamp bracket are stamped from heavy spring steel. Handle bar is made from ⅞-inch seamless steel tube, to which is brazed

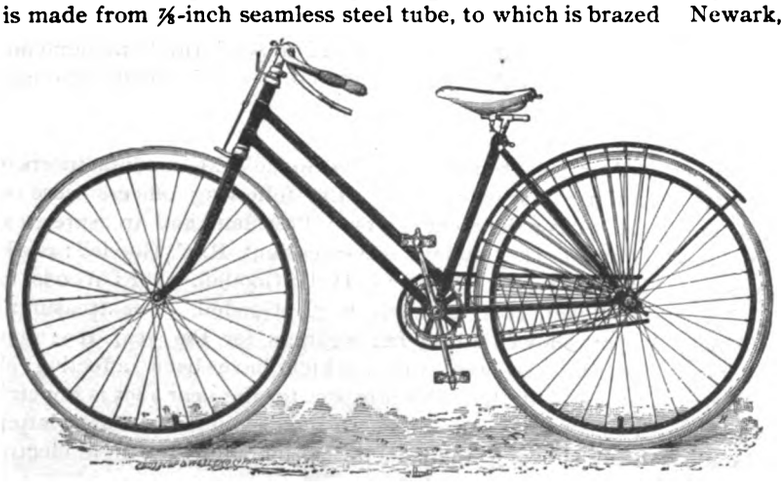


FIG. 2.—APOLLO LADIES' LIGHT ROADSTER.

the seamless steel upright. The bar is beautifully curved and dropped, and fitted with cork grips. It is held in the fork by a forged clamp. Chain of best quality, made to order, 5-16 inch wide, adjusted at rear by a special set screw. Finish: Frame and lower part of forks, four coats of best black baked enamel; all bright parts nickeled on copper. Garford saddle, tool bag, pump, wrench and oil can. Weight, all on, about 24 pounds. Apollo Gents' Safety, M. & W. Pneumatic Tires, $75.00 each. Extra for Dunlop Clincher Tires, $5.00 list each.

In Fig. 2 is seen the Apollo Ladies' Light Roadster of which the makers say: "In the past we have given our attention to the manufacture of a gentleman's wheel, at a popular price, and yet equal in quality to many of the so-called high grade wheels. Our efforts having met with such remarkable success, and feeling that our trade in this line is firmly established, we now place upon the market a ladies' wheel of the same high quality as our gentleman's Apollo. The quality of material is of the best, and the model is of the most improved '95 design, combining strength with lightness; 28-inch wheels fitted with M. & W. Tires, either wood or coppered rims, laced spokes, best steel hubs and bearing of special quality, with cones of steel, properly tempered and shaped. Frame, regular braced diamond, upper brace brazed to within 3 inches to base of hanger, made of best seamless steel tubing, and built on correct lines. Chain of best quality, 5-16 inch wide. Brake of direct plunger pattern with forged lever. Finish: The frame, lower part of forks and mud guard, four coats of black baked enamel; all bright parts, including crown of forks, nickeled on copper, handsome dress and chain guards. Garford saddle, tool bag, pump, wrench and oil can. Weight, all on, about twenty-seven pounds. Ladies' Apollo Safety, M. & W. Pneumatic Tires, $75.00 each. Extra for Dunlop Clincher Tires, $5.00 list each."

They also manufacture the '95 Cycloe Safeties, which are strictly high grade throughout, and which have become very popular with the boys, owing to the neatness of design and thorough make-up mechanically. It has, the manufacturers say, all the modern improvements, and is a facsimile in model of their Gentlemen's Apollo in a modified form. Their Fairy Safeties, which are built in the same style as their Apollo Ladies' Safety, has been greatly improved over their 1894 models, making it one of the finest girls' wheels in the market, neat in design with all modern improvements. The manufacturers will be pleased to send this catalogue and other information that may be desired, upon application.

Death of Julius Hahne.

Julius Hahne, the senior member of Hahne & Co., Newark, N. J., died Friday afternoon, February 8th, at his home, No. 51 Halsey Street. He was regarded as one of Newark's most successful and oldest business men. His ailment was pneumonia brought on by an attack of grip. Mr. Hahne leaves a widow and six children, three sons and three daughters. He was born in Germany in 1828. He came to America in 1845, and on September 1, 1858, he opened a small store in Newark with Adam Block, under the firm name of Hahne & Block. They had no employees, but their business grew, and from toys and crockery they went into other branches, increasing their store room and business facilities every year. In 1874 the style of the firm was changed to Hahne & Co., its present title. The business continued to grow, and now this great department store, of which Hardware and house furnishing goods are an important feature, occupies nearly the whole of one of the largest blocks in Newark, and gives employment to 800 persons.

A great proportion of the reclaimed rubber imported into this country comes from Canada, for the people there wear and discard a great many overshoes.

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MINOR NOTE AND COMMENT.

The bowie knife obtains its name from Rezin P. Bowie, who lived in Maryland in the early part of this century. He had a brother who had many enemies, and he, being turbulent and fond of hand-to-hand fights, stood in need of good weapons. Rezin undertook to furnish him with a weapon somewhat superior to any that could be found in those parts at that period. A knife was made out of a blacksmith's file, and a blade was had nine inches long, to which was fastened a handle of six inches. The knife was simple, strong in build, and had an admirable temper. Bowie used it in nineteen sanguinary contests, and then, happening in Philadelphia, he met with a cutler who fashioned it over for him. Bowie afterwards settled on the Mississippi and entertained the celebrated actor Edwin Forrest, to whom he gave the original knife. Forrest placed the knife in his collection where he retained it until his death.

Tall frames with wire screens are coming more and more into use in households where there are small children. Placed around the stove or in front of a fire, they furnish special immunity against accidents, a frequent occurrence where great care is not taken. Around the baby's tub it protects him from draughts while getting a bath, around his crib it has many uses, a barrier against draughts, excessive sunlight and changing objects, etc. It can be utilized to form an enclosure making a small play-house for children from which they cannot escape nor be unreasonably disturbed. It can also be utilized for various other purposes not, however, germane to the uses for which it was originally intended, and which it would not be practicable to enumerate here.

For some time past the vigilance of the Dover, England, customs officers has been evaded with an ease which has made them redouble their exertions to apprehend the offenders. It was noticed that the tires of a bicycle owned by a party of tourists who had just landed, presented every appearance of being punctured, but on close examination it was found that the tires had been stuffed full of the very finest Turkish cigarette tobacco, which is in the United Kingdom subjected to a very high duty. Whilst the officer was busily extracting the contents of the tires the owner beat a hasty retreat, leaving both wheel and tobacco to the tender mercy of the official.

Quite a run has been made in the large cities of England on ladies' umbrella handles, they now being in expensive designs. The body of the handle is of steel or gun metal, well polished, with the usual rose at the end. It is the de-design that marks the elegance of the handle. Some are ovoid in shape with a small flower spray displaying diamonds; others have glittering stars, another a horse shoe set on the tip, others have an eagle with outspread wings rising from the metal, and so on in variations. Initials, and a design representing a serpent coiling round an olive shaped ball, are the favorites.

The use of reclaimed rubber by manufacturers seems to have become a very important one, the price now being very high as compared with former years. A debate has sprung up recently as to whether the bicycle men are using this rubber. Naturally a manufacturer is not carrying the secrets of his compounds upon his sleeve, and the discussion of the subject is almost fruitless, in reaching a truthful decision. That some mechanical men use reclaimed rubber is inferred by the price of their goods. Rubber goods composed largely of reclaimed have a peculiar odor readily recognized by the dealers,

The annual meeting of the stockholders of the Berlin Iron Bridge Co. was held at the office of the company, East Berlin, Conn., on Tuesday, January 29th. The following board of directors were elected: Chas. M. Jarvis, Geo. H. Sage, F. L. Wilcox and Burr K. Field, Berlin, Conn.; S. Howard Wilcox, Brooklyn, N. Y.; Julius Burr, East Berlin, Conn., and H. Peck, Waterbury, Conn. By vote of the stockholders the capital stock of the company was increased from $300,000 to $500,000. The new issue of stock has all been taken by the old stockholders.

It is said at Bristol, R. I., that the idea of using Tobin Bronze in the hull of the "cup defender" has been abandoned or very much modified. The chief reason for this change from the original plan is that bronze sufficient cannot be furnished in season for the race. About seventy tons of lead will be required for the keel, but the Herreshoffs have 125 tons on hand, so there will be no scarcity of the metal for the purpose required. Just now the drayman is an important man in Bristol.

Civilization is making rapid strides in South Africa, but the Bushman yet makes his own knife and with considerable ingenuity. They dig a little iron, find a broken hatchet, or a hoop from a rum barrel, and out of these parts they form even axes, adzes, hammers, and about everything they need in that line. These implements are of course very crude, but the native has much patience and will not forego his bottle of rum for the cost of the imported tool.

J. R. Nutting, of the Sickels, Preston & Nutting Co., Davenport, Iowa, HARDWARE'S Iowa correspondent, is spending his winter vacation in Washington, D. C., accompanied by his wife and daughter. Robert Sickels, of Sickels, Sweet & Lyon, No. 35 Barclay Street, New York, and wife, are also in the Capital City. Mr. Nutting is Mr. Sickel's western partner, and the two gentlemen will confer on business matters. We have a shrewd suspicion that Mr. Nutting is in Washington to keep his eye on Congress, and the readers of HARDWARE will undoubtedly hear from him before "springtime comes again."

There are many variations in the use of brass sconces when accompanied by the candles which generally form their adornment. The candles are now tinted to match the shade that beautifies them. An instance is given of the candle being of light lavender while the shade is of a deeper tint, with bunches of violets irregularly placed here and there.

Some cooks are making crusty bread in sections of stovepipe. These utensils are cut in the required length at the tinsmiths', and the edges turned over so the hands will not be injured. The dough made into a loaf somewhat shorter than the pipe, is placed in it. From this apparently crude affair comes crusty bread of excellent quality, if the cook knows her business.

Boreman & Strouss, wholesale dealers in queensware, glassware, etc., at Parkersburg, W. Va., say under date of February 4th: "Enclosed please find our check for $2, for two years' subscription to HARDWARE. The information that we have received from it has been worth more than the subscription price a great deal."

Some of the agateware men have reduced their prices since January 1st twenty per cent. Numerous adulterations in manufacture are creeping in, that of lead and arsenic being the most common. A good deal of this cutting is in Boston,

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NEW GOODS IN THE MARKET

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

New Night Latches.

The Slaymaker, Barry Co., Lancaster, Pa., are just putting on the market two new Night Latches, illustrations of which are herewith shown. Fig. 1 shows the patent Horizontal Rim Cylinder Night Latch, B 248; Figs. 2 and 3 escutcheon and key for same. Fig. 4 shows the patent Horizontal Rim, Night Latch, B 245, and Fig. 5 key for same. B 248, the makers state "is made extra heavy and heavily and smoothly enameled; the draw-back knob, which is of bronze metal, is turned and heavily nickel-plated and the escutcheons are of cast bronze highly polished. The cylinder used in connection with this latch is made extremely heavy and stout, and the entire mechanism is so arranged as to necessitate extra security and great durability. The springs are of phosphor bronze, and keys are of rolled steel, cut milled and heavily plated. B 245 is made with bronze metal keys, nickel plated. This night latch is very heavy and stout, and extremely secure. The draw-back knob is of bronze metal turned and nickel-plated, and the escutcheons are of rolled steel heavily enameled."

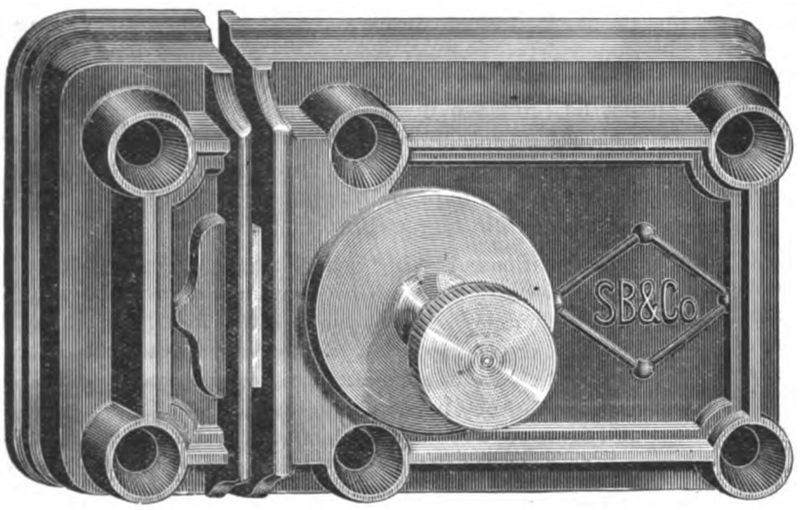


FIG. 1



FIG. 2.

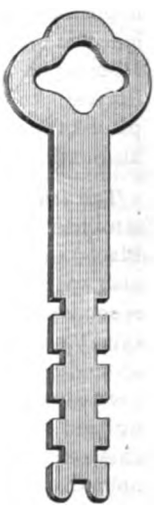


FIG. 3.

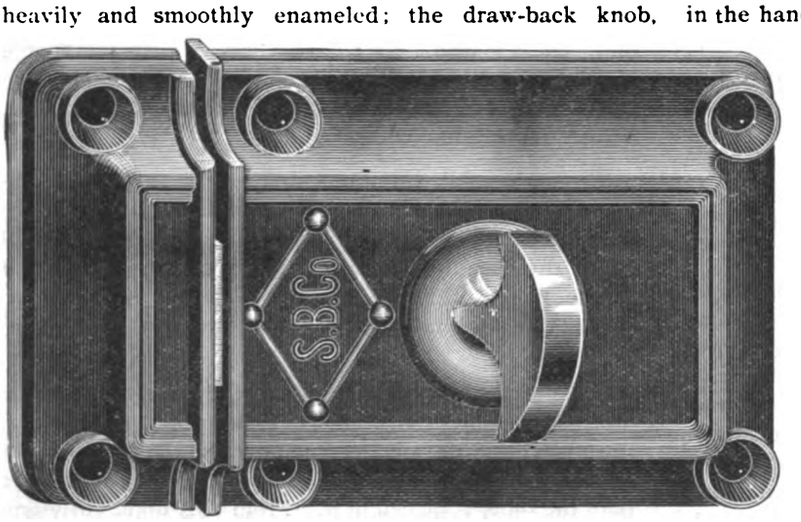


FIG. 4.

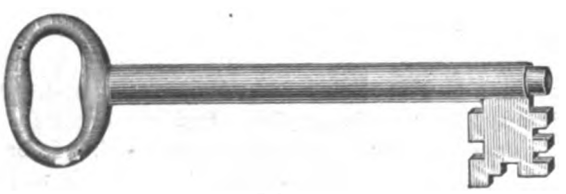


FIG. 5.

McCrum Chalk Line Case.

William H. Lothrop, No. 312 Dorchester Avenue, Boston, Mass., is offering the McCrum Chalk Line Case, a self-chalking line device. The manufacturer claims "that this device will recommend itself to all having occasion to use a chalk line. The construction of the case is simple, neat and durable, of convenient size, and furnished with stab and line. Any color chalk can be used in this case. The use of this case relieves the operator of handling the chalk in the hand while chalking the line, and more and clearer lines can be struck with lines chalked by the case than by hand chalking. The case prevents the line from getting wet or the chalk damp. The reel in the case will hold up to 150 feet of line, if desired. The case once chalked will last from three months to a year on ordinary work." This article should prove of great use to carpenters, fresco painters, stone cutters, masons, paper hangers, sail makers and others.



New Garden Weeders, Etc.

The Gibbs Mfg. Co., Canton, Ohio, who are always making some advance step in the character of their products, have opened the season of 1895 with several notable additions. We are permitted to illustrate several of

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these in this connection. In Fig. 1 may be seen their "Ideal" Garden Weeder; in Fig. 2 their "Boss" Garden Weeder; and in Fig. 3 the "Ideal" with hoe. The "Ideal" is made in two sizes, four and six teeth; the "Boss" in

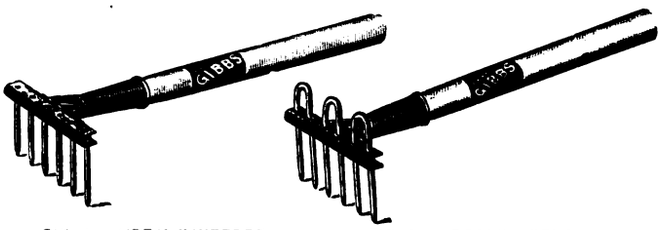


FIG. 1.—"IDEAL" WEEDER. FIG. 2.—"BOSS" WEEDER.

"Ideal" with hoe in one size with four teeth. The handles are of two sizes, four and six teeth; and of the best ash, four and one-half feet long, although they can be furnished with two-foot handles for florists' use. These goods are very durable and finely finished, are all steel, and brilliantly tinned. In Fig. 4 may be seen another of their specialties, the "Ideal" Garden Rake, which the

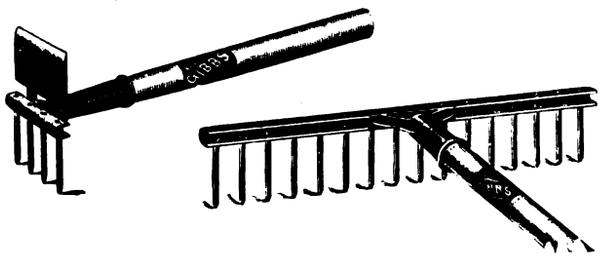


FIG 3.—"IDEAL," WITH HOE. FIG 4.—"IDEAL" GARDEN RAKE.

makers say "won't break." This is made in three sizes, 12 teeth, 14 teeth and 16 teeth. All are full tinned, with selected handles. The head is specially formed for stiffness and strength; socket strongly braced, and fastened without rivets or weld. "Guaranteed to be secure." The makers add "A more practical and durable rake cannot be found. Finely finished and very attractive. Send for prices."

"Only Perfect" Dustpan.

The Ennis Specialty Co., Troy, N. Y., and New York City, are marketing what they name the "Only Perfect" Dustpan, illustration of which is here given. It is fourteen

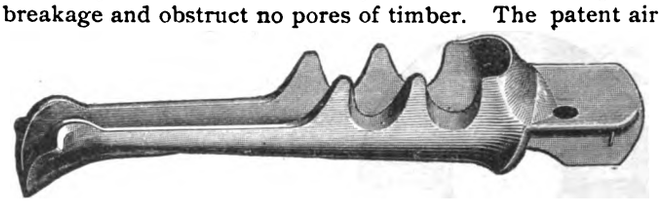




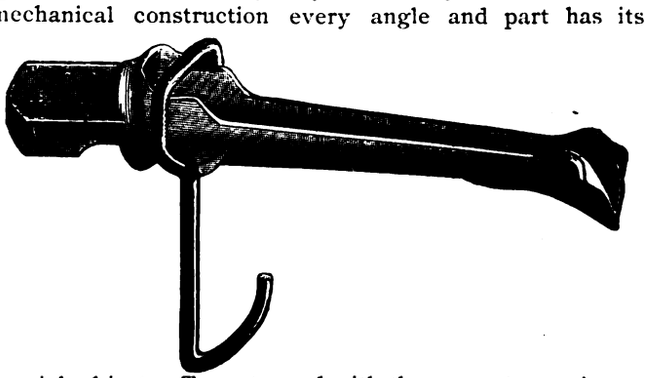
inches in diameter; is round in form, has an edge which will not twist or warp out of shape. "You can put your foot on it, hold it secure, and prevent moving when using. No stooping over to move it about, as you can readily do this with the foot. It will not upset. You can sweep the dirt from all sides into it without turning it around. It is strongly made in one piece of metal, handsome and useful. It has a detachable handle secured by a screw top, by which it can be nested, saving expense in shipping and store room."

Post's Improved Eureka Sap Spouts.

The Russell & Erwin Mfg. Co., No. 45 Chambers Street, New York, are marketing Post's Improved Eureka Sap Spouts, cuts of which are here shown. The makers state that they are made on strictly scientific principles: "They are the most simple, durable and economical. They apply to the tap hole in the tree firmly and without leakage or breakage and obstruct no pores of timber. The patent air



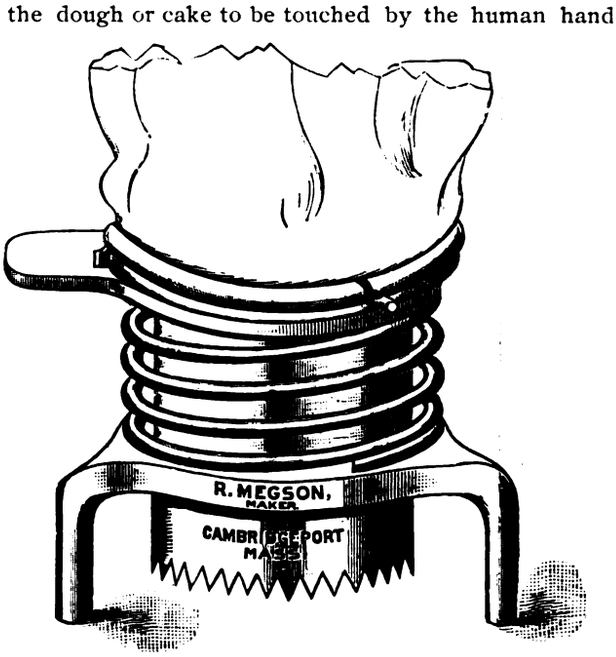
trap is one of the essential features found only in the improved Eurekas and without which the air would be freely admitted which dries up and closes the pores and materially lessens the flow of sap, but with this trap the discharge hole is effectually sealed and no air is admitted to freeze or dry up the sap. The bucket hanger of these spouts surpasses in every way that of any other. In their mechanical construction every angle and part has its



special object. Trees tapped with these spouts require no reboring during the season, the air being excluded from the pore (by the air trap) the pores of timber do not become seasoned or contracted as is the case when open spouts are used and the wound is left open. The inner end of the Eureka enters the tap or pore with thin flanges leaving open spaces between each flange for the flow of sap from the outer pores."

Megson's "Little Wonder."

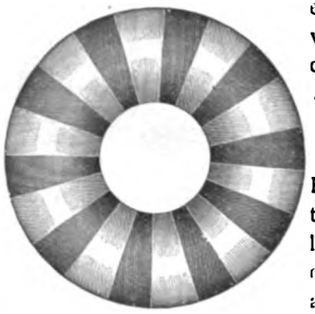
Richard Megson, baker and confectioner, Cambridgeport, Mass., is manufacturing a cake machine, cut of which is here shown; also cut of a cake made by this machine. He claims for it the following points: "There is no rolling, no cutting, no flour used for dusting, no waste, no occasion for the dough or cake to be touched by the human hand,



which from a health point of view is in many cases very desirable. The cake dough is deposited at once from the machine into the baking pan. The cakes are lighter and better than those made by hand or by any other method. The different machines make sponge lady fingers, sponge

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drops and similar mixtures, macaroons, ratafias, ginger nuts, rifle nuts, chocolate, raspberry and other drops, all kinds of cookies, jumbles, vanilla creams, snaps, fig tarts, etc., besides making a very large variety of special goods that cannot be made by hand or by any other machines."



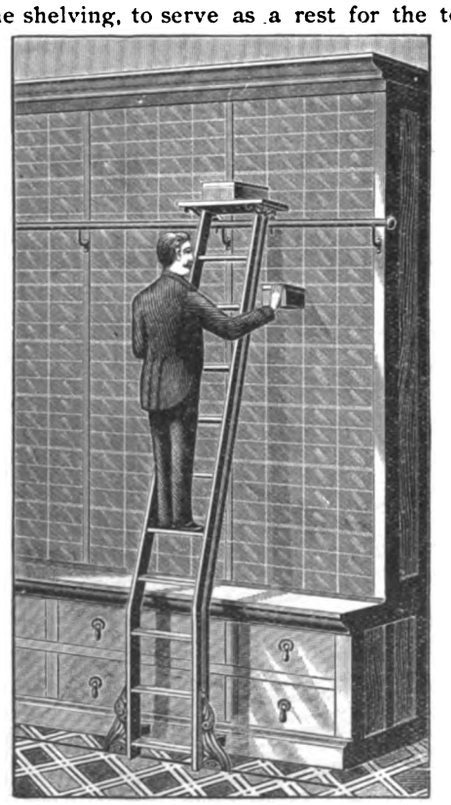
New Vine Holder.

The Rochester Radiator Co., Rochester, N. Y., are manufacturing the Vine Holder here illustrated. The Holder is made of 14-gauge galvanized wire, and when used the small hook is snapped on the trellis where it remains permanently. The vine is sprung into the lower or larger hook back of a bud or branch. This holds the vine securely, and does not cut or injure it, and the hook springs with the growth of the vine. It is stated that the hook will hold in either a vertical or horizontal position and saves time and labor.



Bicycle Step Ladder.

The Bicycle Step Ladder, manufactured by the Bicycle Step Ladder Co., No. 50 State Street, Chicago, has been upon the market long enough to prove a great success, and its usefulness can certainly be understood from a glance at the illustration here shown. It is, as the name implies, simply a two wheeled ladder—a strong and well made ladder mounted on two wheels, arranged to roll on a light metal track, placed either on the edge of the base shelf or the floor, and provided with a round, nicely finished wooden pole, secured by ornamental metal brackets to the face or the shelving, to serve as a rest for the top of the



ladder, and as a smooth continuous surface along which it may slide in traveling from place to place along the shelving. A pair of stout iron hooks secured to the top of the ladder extend over and partly around this pole, but in such a way as ordinarily not to come in contact with it. These serve to prevent the ladder from tilting away from the shelving when one leans backward, standing upon it. "By reference to the cut one will observe that on whatever step of the ladder the operator may stand, the weight of his body may be adjusted so as to be directly in line with, and above the points of support of the ladder—the wheels. The ladder is thus balanced on the wheels, and will travel along the track with the expenditure of the least amount of exertion, as there is no friction whatever at the top of the ladder, and the very least amount possible at the wheels. It will be found so easy to move the ladder while standing upon it, that, were it desired to reach an object fifty feet or more distant, one or two pushes against the shelving with the hand, will propel you the entire distance with ease. The ladder occupies not more than one inch of the width of the base shelf, and is so constructed that the wheels will not run over or injure the smallest object that may be in its way. A very useful feature of the ladders and one greatly appreciated, is the addition of an extra wide shelf at the top, which in connection with the wide steps of the ladder proper, affords great convenience in handling goods and arranging stock on the shelving."

Seed's Vesuvius Gas Boiling and Cooking Stove.

J. H. Seed, Nos. 21–23 Center Street, New York, is marketing a Gas Boiling and Cooking Stove known as the Vesuvius, which is herewith illustrated. This device will rest on any ordinary gas burner; no screwing or fixing



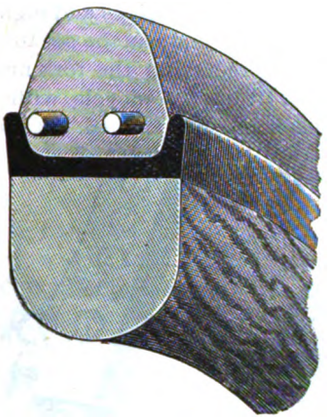
required. "It will boil a quart of water in three minutes. Cooking, frying and heating can be accomplished with it equally as well, and at very much less expense than by any other means." The following are the directions for using: Always light above the wire gauze. If lighted below the gauze it would soon burn out the stove. Let the gas pass through the stove a few seconds before lighting. This will positively prevent the gas from lighting beneath the gauze. By mail thirty cents.

Rubber Carriage Tire.

The Rubber Tire Wheel Co., Springfield, Ohio, are manufacturing a Solid Rubber Vehicle Tire for which they claim many excellent points. The cut given here shows a section (1) of the rubber, (2) of the steel rim, and (3) of the wooden felly, omitting only the bolts by which the steel rim is attached to the wood. "But instead of the rim flanges converging, to grasp the rubber, it will be noticed that the

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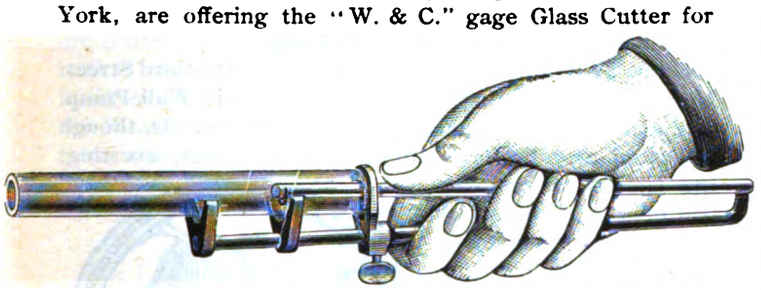
channel is broadest outwardly, leaving the rubber wholly without compression except such as comes from contact with the road. The remaining feature of the tire, and that which constitutes its chief novelty, is the presence of two wires, running longitudinally through the rubber, forming circles of such diameter that they cannot slip over the edges



of the steel rim. Thus, in addition to a tire which will stay on the wheel, a form has been adopted which makes available all the elasticity possessed by the rubber, while the absence of tension gives the rubber the utmost durability. Tires of this design are in use varying in width of the rubber from ¾ inch to 1½ inches." This tire is highly endorsed.

Glass Cutter.

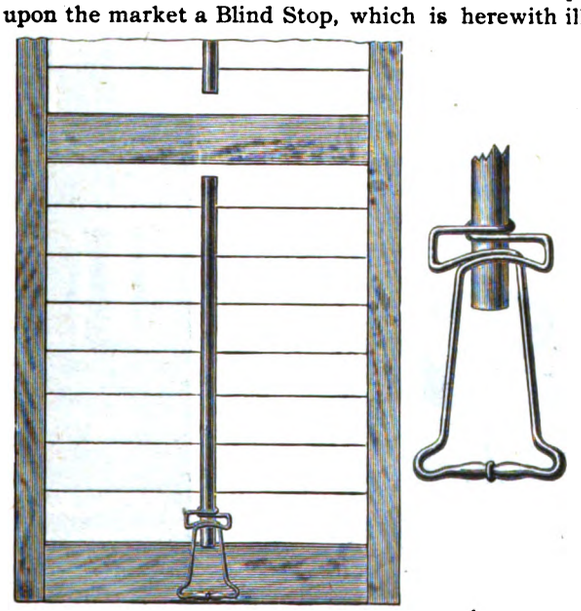
The Wells & Coutin Co., Nos. 29 and 31 Gold Street, New York, are offering the "W. & C." gage Glass Cutter for



which they claim the following advantages: "It cuts in a perfect circle because the glass is held in the fibre rests n a parallel position. The glass does not come in contact with the metal, except at the cutting wheel, and will cut a greater length of glass from the end than any other cutter. The cutting wheel can be renewed without trouble."

Standard Blind Stop.

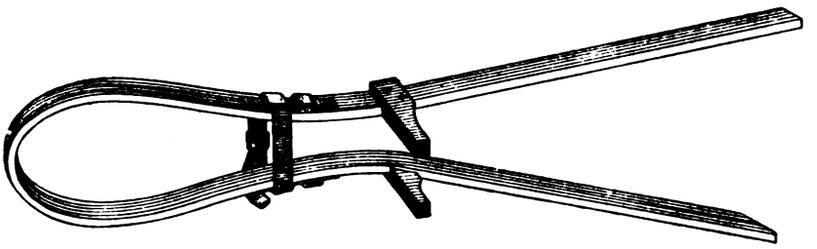
Hamblin & Russell Mfg. Co., Worcester, Mass., are placng upon the market a Blind Stop, which is herewith illus-



t rated. This device, it is claimed, "prevents shutters from rattling or moving from the position you place them in, and locks them open or closed."

Sunbury Horse Poke.

H. L. Wheaton & Bro., Sunbury, Ohio, are manufacturing a Horse Poke which they claim has many admirable features. It is here illustrated. "It is made of second growth ash, with no joints, hinges, or springs, and the brackets are bolted on with two bolts instead of one. The strap is adjustable up and down, by means of two loops, and the poke



can be made wide or narrow by means of the strap. This is a great advantage, as the same yoke can be made to fit large or small horses. There is no danger of it hurting a horse, as the brads in the brackets do not touch hard only when needed, and the poke will prevent the horse from jumping, but it is a positive preventive against accident on account of barb wire."

Handy Bit Box.

George H. Bartlett, Bethlehem, Pa., is offering a Bit Box to the trade, illustrations of which are here given. Fig. 1 shows the box closed; Fig. 2 shows it opened. It is of hardwood finely finished, and is trimmed with brass hinges and corners. Holes in the box accommodate the bits, thus preventing their getting loose or being damaged by striking together; this also obviates the necessity of catches or clamps, which are apt to get out of order. Boxes are made in four sizes for holding 6, 8, 9 and 13 bits, the latter being a set of 32½ quarters.



FIG. 1.

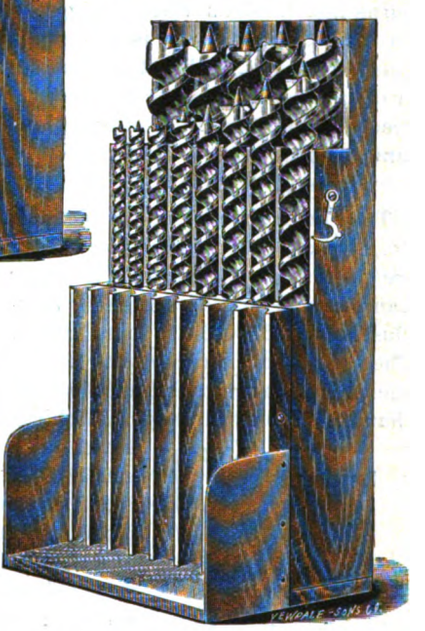


FIG. 2.

Allen & Allen, two young men who were formerly employes of the well known house of W. H. & G. W. Allen, Philadelphia, and who are relatives of these gentlemen, have opened a Hardware business at No. 1608 Ridge Avenue, Philadelphia. They are well posted, have a good stock, and are sure to command that success which they deserve.

A warehouse belonging to S. C. Rudow, a Hardware merchant in Henderson, Minn., was destroyed by fire on February 10th. Stock valued at $2000, partly insured.

ILLUSTRATED BICYCLE NOVELTIES.

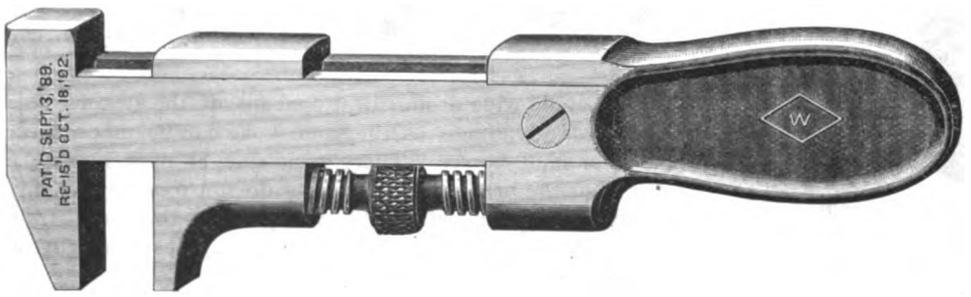
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, whic hwill appear immediately.

The Williams Bicycle Wrench.

J. H. Williams & Co., Brooklyn, N. Y., are offering the trade a Bicycle Wrench; illustration of same appears here.



The makers state "that the sliding jaw moves between double bars, giving the greatest strength with the least weight, while the quick motion imparted by the double (right and left hand) screw, makes the tool especially convenient and rapid in use. The high grade material which alone is used in these wrenches, and the accuracy with which they are finished, give them the greatest possible durability. They do not become weaker when opened wide to take a large nut, and they are guaranteed not to bend in service. The jaws are case-hardened, and opened full 1⅛ inch. Each wrench is packed in a separate paste-board box."

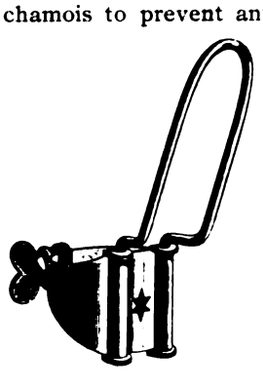
Lester's Solidlite.

Bevin Bros. Mfg. Co., East Hampton, Conn., are manufacturing Lester's Solidlite, a solid illuminant for bicycle lamps. They claim that this illuminant melts as the light burns and hardens when extinguished, and burns with a pure white light. "It is not extinguished by jars, and will not smoke or char the wick, and is in every respect superior to oil." Put up in half pint and pint cans.



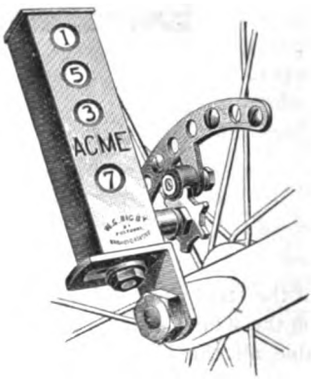
Star Lamp Bracket.

The Bridgeport Gun Implement Co., No. 313½ Broadway, New York, are putting on the market the Star Lamp Bracket, in three sizes for 1895, illustration of which is here given. The Star Lamp Bracket has been especially designed for quick attachment on the head of a bicycle, being lined with chamois to prevent any scratching incidental to frequent attachment to a machine. The smaller size is adapted to attachment on the post of handle-bar. This bracket is made in the form of a steel wire loop, with a spring steel collar and adjustable thumbscrew and weighs 1½ ounces. Star No. 1, for head, 1 inch in diameter, 50 cents; Star No. 2, for head, 1⅛ inches in diameter, 50 cents; Star No. 3, for head, 1¼ inches in diameter, 50 cents; Star No. 4, to fit any size fork, 50 cents. A liberal discount will be made to the trade.



The Acme Cyclometer.

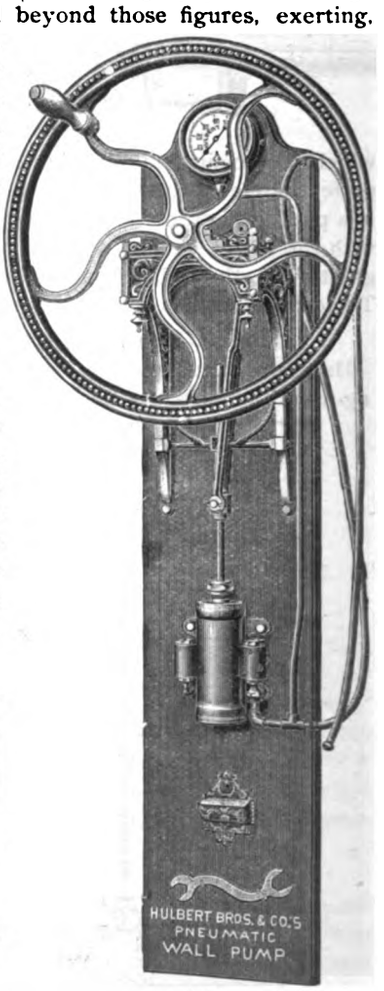
W. S. Bigby, Nos. 31–33 Fulton Street, Brooklyn, N. Y., is placing on the market the Acme Cyclometer. The manufacturer claims that it is "simple, light, compact, easy running and cheap, and it will record miles and eighths to 1000 miles and repeat indefinitely, and can be set to zero at the pleasure of the rider. By removing the fork nut it can be attached to or detached from the bicycle without further adjustment after it has been once applied. It can be swung



from the centre of the wheel to any desired angle, reads from the top downwards and is easily read from the saddle, while in the directness, certainty and plainness of its reading it is unrivalled. It records with absolute accuracy at the highest and lowest speed, is dust-proof, and the glass front is so protected that it is not liable to breakage."

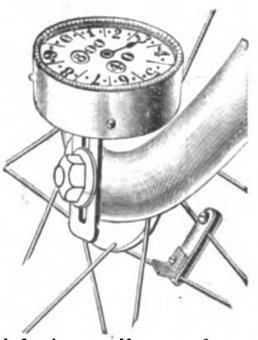
Pneumatic Wall Pump.

Hulbert Brothers & Co., No. 26 West Twenty-third Street, New York, are offering the trade a Pneumatic Wall Pump. The dial will indicate a pressure of eighty pounds, though the hand may be forced beyond those figures, exerting, the makers state, sufficient pressure to burst any tire. With the finger on the end of the tube one revolution of the wheel marks a pressure of forty pounds on the dial. It is stated that the pump is simple, effective and handsome.



The Crown Cyclometer.

The Boston Meter Co., No. 22 Chapman Place, Boston, Mass., are manufacturing the Crown Cyclometer, illustration of which is here given. This cyclometer they claim is light in weight and registers 1000 and repeats. It has a fine white dial,

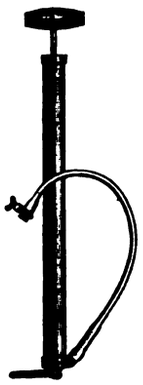


which is easily read and is moved positively, by every action of the bicycle wheel. "It is readily seen from the saddle, extremely easy to attach, and perfectly noiseless."

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1895 Cyclone Pump.

Hay & Willits Mfg. Co., Indianapolis, Ind., are offering a '95 Bicycle Pump. The pump is described as having a barrel eighteen inches long, and is constructed of twentygauge, one and one-quarter inch brass tubing. It has a light bass wood handle, and is provided with a hose eighteen inches long.





Cyclone Pump No. 2.

The Davis & Stevens Mfg. Co., Seneca Falls, N. Y., have put on the market their '95 model Cyclone Pump, an illustration of which is herewith given. This pump has a full nickel cylinder, 1¼x12 inches, and a thick brass plunger and improved valves. It is also fitted with the company's improved air-tight base, which will not allow the air under heavy pressure to pass. Its principles are scientific in every way.

We are in receipt of the following good news from the Dille & McGuire Mfg. Co., Richmond, Ind.: "We of late have been so very busy with our orders in hand that we have had very little time to attend to anything else. We are having a large run in our line just now; everybody, it seems, is after our goods, both in the best and cheap grade of mowers; our order book was never so full as it is at this time, and there is plenty of trade yet to hear from. We are running full handed and expect to continue until June next if not later. Our company has been in the mower business a long time, being one of the first to take it up in the West. Over 200,000 of our mowers, with their various trade marks, are scattered throughout the civilized world; there is no country where the lawn is a pride but that our mowers can be found. We are in it to stay."

The Farrel Foundry & Machine Co., of Ansonia, Conn., have decided to build a new roll and machine shop and have placed the contract for the building with the Berlin Iron Bridge Co., East Berlin, Conn. The building will be 104 feet wide and 260 feet long, constructed entirely of iron, brick and glass. The roof will be of copper.

William T. Walter's Sons, No. 1233 Market Staeet, Philadelphia, dealers in Hardware, woodworkers' tools, etc., write under date of January 31st: "Enclosed please find one dollar for subscription; HARDWARE bill just received. We subscribe to a number of trade papers, but we know of none that we like better than yours."

B. H. Warner & Co. have opened a new factory for the manufacture of screen doors at South Zanesville, Ohio.

Recent Incorporations.

Cincinnati, Ohio.—The Insurance Oil & Stove Co., incorporated by Herman H. Uckotter, Andrew J. English, William Uckotter, George Uckotter, Charles A. Ahlborn, for the purpose of manufacturing and dealing in vapor stoves, together with other machines and devices; also for the purpose of dealing in oil. Capital stock, $10,000.

Sioux City, Iowa.—The Gillette Hardware Co., incorporated by T. H. Green, T. H. Preston and C. E. Hughson. Capital, $20,000.

Belleville, Ill.—George Eidman Implement Co., incorporated by George Eidman, Charles W. Fischer and Phil Huecke. Capital stock, $5000.

Burlington, Mo.—Bloom Rotary Oven Co., incorporated by John Cook, A. Sciel and S. Black, with a capital stock of $2100.

Shawano, Wis.—The Schweers & Nachtweg Hardware Co., incorporated by John C. Schweers, Frank Schweers and Henry Nachtweg, with a capital stock of $20,000.

The Man in the Corner.

It has been so long since we heard from "The Man at the Corner Desk," in the house of the W. Bingham Co., Cleveland, Ohio, that we were afraid that he was snowed in. He now comes to the front, however, and has, as usual, something of interest to say:

"A few days ago I got hold of a file containing letters from the W. Bingham Co.'s travellers replying to inquiries for information regarding this, that and the other, and noted with pleasure the good feeling displayed on both sides and the appreciation of the fact that their interests are identical—a state of affairs not always prevailing. A Toledo drummer devotes a whole chapter in a book he has written to condemning the office for its treatment of accounts, and a Hardware paper recently contained a tirade by a Southern jobber blaming the road salesman for declining margins and the other evils he found in his business. Then, the drummer who finds fault with his house and the employer who belittles his traveling man by criticising him to the firms he visits, are familiar to us all—a suicidal policy on both sides, for there must be confidence in both the seller and his salesman before the buyer cares very much about treating with either. One of the letters said: 'A traveller may not always meet the ideas of a Man in the Corner, but I am under the impression that the Man in the Field, if he takes any interest in his business, works to the best good of his house and himself.' Surely, if he does his best for his house he gains the greatest benefit for himself, and his hardest work for himself benefits his house the most. 'As unto the bow the cord is,' etc. Though he influences the bent of the house's business he obeys its behests, and though he leads it into many ways he follows its directions. I suppose no part of a business receives so much care and attention as its representation on the road, for upon this largely depends the measure of its prosperity. The buying is important—very—and the caring for orders, collections, etc., demand constant care, but the thing that keeps the business man awake nights and turns his hair prematurely gray is maintaining upon the road a force of eager, active, aggressive men who will work for his interests—who can command the respect of those they visit, tactful, honest, conscientiously following out his policy whether it suits them or not, and working in complete harmony with him. He doesn't expect to be pleased at all times, for angels of light have not yet taken to the road, but he has a definite idea of what he wants accomplished and does expect to see it reasonably well filled. He admonishes one man, braces up another, urges a third to renewed effort, exchanges congratulations with a fourth over a good stroke, and pours upon them all an unceasing flood of circulars, prices, samples and miscellaneous information and advice. He studies their reports and sales, and combining what he thus learns with information gained elsewhere, determines upon his course of action; but it is his course and, while from the drummer's standpoint it may not always seem the best, he will alter it only when a change proves to be necessary."

Six months ago a destructive fire practically destroyed the business portion of Hudson, Mass. The business men there took hold with a will to rebuild the town, a generous rivalry arising at once as to who would make the greatest effort in a short space of time. Holder & Robinson, Hardware merchants, were the first to order a supply of Hardware; in fact they sent the first order for any class of merchandise that came from the town after the fire. The firm have now taken a store in the new block owned by H. W. Chase, and which is a handsome structure of brick trimmed with pink granite and red spotted brick, copper cornices, etc. The store is piped for steam and wired for electric lighting, and will be handsomely fitted up.

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The Latest Catalogues.

O. J. Faxon & Co., Nos. 3-7 Appleton Street, Boston, have issued a handsome descriptive catalogue of the Puritan bicycles, a line which is well known to readers of HARDWARE. This little book is one of the handsomest we have seen this season, and that is saying a great deal, as at no time has bicycle literature approached the artistic excellence of the present year. It is printed in colors with illustrated margins, and full-page cuts of their various wheels. They show the Puritan Full Roadster, Puritan Semi-Roadster, Ladies' Puritan, Puritan Two-Speed, Puritan Tandem, etc., etc. Other matter of an interesting character is presented. In a note of introduction the company say: "The opening of the new year marks a great advancement in cycling interests throughout the country. The establishment of the bicycle as a vehicle of pleasure and of business is beyond question. We find new uses constantly presenting themselves in almost every channel, and people becoming interested in cycling that a year or two ago did not give it a passing thought. The advancement in the construction of safety bicycles of the higher grade during the past three or four years has been almost phenomenal, and has exceeded the anticipations of the most sanguine admirers of the safety. Improved facilities for manufacturing have fully kept pace with the increased public interest, and the public has been the gainer, as manufacturers have been enabled to continually produce better work, and by the use of automatic machinery to make considerable reductions in the selling price. In offering to the public a standard bicycle of the highest grade at $100, manufacturers are naming figures that only two years ago would have seemed impossible. It is now only possible to make a standard machine and sell it at that price on account of this increased interest in bicycle riding by the public, and a corresponding increased patronage. We believe that this reduction in price will be appreciated, and that we shall receive public endorsement that will repay our efforts. We have made such changes in our plant and equipment as will render it possible for us to please our increasing host of patrons."

The Reading Hardware Co., Reading, Pa., with New York offices at Nos. 96-98 Reade Street, have prepared a handsomely illustrated portfolio of artistic design, which shows their line of builders' Hardware for the use of architects and other customers. These views are shown on separate sheets of heavy card board, which are 9x12 inches in size, made round at the corners, and held in a handsome leather case. Many of these are reproductions of photographs, and most of the cuts are one-half the actual size. An architect or builder would be hard to please who could not find something in these selections that would entirely cover any want in the way of artistic Hardware that can be imagined. There are three sections of cards in this portfolio, each of which is devoted to a distinct class of goods. The first shows their locks; the second their plain and ornamental escutcheons, push buttons, knobs, etc., and the third their miscellaneous bronze goods, which include a complete line of Hardware in plain bronze. Upon the first card is a list of the finishes, with a description of the goods, and upon each of the other cards is given a further description of the goods which are shown thereon. By a very simple system of numbering, they have done away with any possibility of misunderstanding, and greatly aid the customer in ordering. The portfolio is very convenient to carry, and the trade as well as the company are to be congratulated upon this artistic addition to Hardware literature.

The Relay Mfg. Co., Reading, Pa., have published an illustrated catalogue of their Relay bicycles. In a note of introduction they say: "For the season just closed our output has been almost double that of the preceding one. This, in the face of the general depression in business, shows more forcibly than words the reputation the Relays have made for themselves. Progress in excellence is our motto; and, however high in merit have been our '94 wheels, the '95 Relays show great advancement in lightness, design and finish. It has been our aim and purpose to make a strictly high grade wheel, the very best that could be made, keeping in mind that the riding public, as we ourselves, are satisfied with nothing less."

Sargent & Co., New Haven and New York, have issued their Wire Screen Hardware catalogue for 1895. It contains not only their revised price list for this line of goods, but also illustration and description of everything in Hardware necessary for making and putting together screen doors and window screens, for opening and closing them properly, and for keeping them shut when desired. The company say "the demand for these goods is very great at this season of the year, and orders should be sent in early to insure prompt shipment."

The Monarch Stove Co., with headquarters at Mansfield, Ohio, and branches in Chicago and St. Paul, have issued under the name of "Catalogue E" a very handsome book presenting the claims of the Monarch stoves and ranges, for gas and gasoline. It is very thoroughly illustrated in colors, and shows a large variety of goods. The Monarch Stove Co. is, as the trade knows, the successor of the Baxter Stove Co., the three gentlemen composing the new firm having, while members of the old firm, given the Monarch goods their special attention.

S. L. Allen & Co., Philadelphia, have issued a handsome little leaflet in colors showing the operation of their Planet, Jr. combined drill, wheel hoe, cultivator, rake and plow; double wheel hoe, cultivator, rake and plow combined; the Planet, Jr. single wheel hoe, cultivator, rake and plow combined, and the Planet, Jr. all steel horse hoe and cultivator. Descriptions of these goods are given, and this little pamphlet will be sent to those who desire it.

"A Discourse on Cycling, with Special Relation to the Sterling Bicycle," is the heading found upon a publication just received from the Sterling Cycle Works of Chicago. The artist and antiquarian seem to have united with the printer in the preparation of this quaint and curious publication, but while the letter press and illustrations suggest the ancient times, the information contained therein in regard to output and prices for 1895 is distinctively modern.

Union Cycle Mig. Co., Boston, with branches in Milwaukee and Philadelphia, are sending their friends a handsome illustrated catalogue of the Union Bicycle. These various lines are illustrated in colors with full description. The company say that as "progress" was their aim in 1894, the report upon the year closed was "expectations realized."

The Davis & Stevens Mfg. Co., Seneca Falls, N. Y., are sending forth a little hand-book of their Cyclone Bicycle Lamps. These articles are illustrated and described in full, and prices are given.

The Central Cycle Mfg. Co., makers of the Ben-Hur cycles, Indianapolis, Ind., have issued a catalogue for 1895, illustrating and describing their line of wheels.

J. P. Lindemann & Sons, Milwaukee, Wis., have issued a catalogue of Bake Ovens and Oil Cans. The line is quite complete, is well illustrated, and prices, etc. are given.

The Black Mfg. Co., Erie, Pa., have issued a handsome catalogue of their Tribune Bicycles. This is printed in colors and is very finely illustrated.

The Toledo Saw Co., Toledo, Ohio, have issued a little hand-book describing their saws of every description for mills, factories, machines, etc.

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A Hardwareman Killed.

A natural gas explosion totally wrecked the Hardware store and office of Cutter Bros., Meadville, Pa., February 13th, and fatally injured Geo. H. Cutter, one of the partners. Mr. Cutter's residence was also entirely destroyed. For some time a leak had been noticeable in the gas main running in front of the buildings, and it is supposed the snow and frozen earth had become thoroughly saturated. A flash was seen to leap from the fire-box of a passing locomotive, and in an instant almost an acre of ground appeared to be a mass of flames. The roofs of both buildings were lifted almost simultaneously, and the buildings entirely demolished.

Mr. Cutter, who was at the time outside, was hurled against the building with such force that his neck was broken. He lived about thirty minutes after the explosion. His son, George H., was pinned in the cellar beneath some timbers and the heavy slate roof, from which he was rescued after an hour and a half of the hardest kind of work. The entire efforts of the firemen were required to prevent him from being roasted, so that considerable more headway was gained by the fire in other directions than would otherwise have been.

The loss is the two buildings, a fine line of Hardware and a quantity of lumber stored in the lumber yards adjoining; in all variously estimated at from $15,000 to $30,000.

After the explosion fire was seen running along the gutter opposite, and the snow was in flames in places for several seconds. The gas seems to have permeated the entire vicinity. Latest reports are that the coroner's jury have passed a verdict of censure against the Oil City Fuel Gas Co.

The St. Louis Bicycle Show, which was announced to be held on the 7th and 8th of February at St. Louis, was a success, in that the exhibition was first-class, and large numbers of people visited the exposition. The booths were tastefully decorated, and some of the displays were very excellent, among which may be mentioned that of the St. Louis Cycle Co., St. Louis; the Diamond Rubber Co., Akron, Ohio; American Dunlop Tire Co. and New York Belting & Packing Co., New York; Boston Woven Hose & Rubber Co., Boston; American Sporting Goods Co., St. Louis, and the A. F. Shapleigh Hardware Co., of St. Louis.

The Barber-Koenig Mfg. Co., Hazleton, Pa., manufacturers of household specialties, are offering the trade the Common Sense Broom Holder. The makers state that "You will have the satisfaction of having a place for your broom. Furthermore and of more importance is the fact, that with its use your broom is kept in proper shape, thus prolonging its usefulness indefinitely." The cost is trifling. A sample will be sent by mail for ten cents.

If a large and perfectly equipped plant, long experience, and ample capital, count for anything, W. W. Lawrence & Co., Pittsburg, and Buffalo, N. Y., are well supplied in these elements of success. The reputation of the Lawrence Colors and paints is very enviable, and dealers will do well to get their new price list of colors in oil, and benefit by the reduced prices which the firm have just issued.

The Colebrookdale Iron Co., Pottstown, Pa., have formed a connection with W. H. Jacobus, No. 90 Chambers Street, as their New York agent. They have issued a circular to the trade which announces this fact, and state that all communications referred to Mr. Jacobus concerning their goods will receive prompt attention.

They have in St. Louis a Vehicle Owners' Association, in which the question of overloading of teams and other like questions are discussed twice each month.

Francis B. Griffin, Director of the Shoe & Leather Bank.

At the recent reorganization of the National Shoe & Leather Bank, New York, Francis B. Griffin, of the firm of C. E. Jennings & Co., No. 97 Chambers Street and No. 79 Reade street, New York, was elected a director. Mr. Griffin is well known in business circles, especially to the Hardware trade. He was born in Catskill, N. Y., on November 8th, 1852. He obtained his early schooling and received the greater part of his education in Elizabeth, N.J. He was first associated with the Hardware trade in the fall of 1870, when he was connected with the firm of Clark, Wilson & Co., No. 81 Beekman street, New York. He remained with this company until September, 1876, when he left, and with C. E. Jennings, organized the present firm of C. E. Jennings & Co. Mr. Griffin is treasurer of the Jennings & Griffin Mfg. Co., with factories at Port Jervis, New York, and Yalesville, Conn. As a partner in C. E. Jennings & Co. Mr. Griffin has had entire charge of the inside work, which includes all financial matters. He is a prominent clubman, being a member of the New York Hardware Club, City Club and



FRANCIS B. GRIFFIN.

Good Government Club "A"; also a member of the Society of the Sons of the Revolution and of the New England Society. He is treasurer of the New York Infant Asylum, and is also on the board of managers and the executive committee of the same institution, and is chairman of the house committee, and one of the executive committee of the Presbyterian Hospital. Mr. Griffin possesses all the qualities that fit one for success in any business—push, energy and a keen perception. Those who have had either business or social intercourse with him, speak of him in glowing terms. The National Shoe & Leather Bank is to be congratulated by his appearance in its directory, and the Hardware trade of New York upon having so able a reprensentative in this great financial institution.

Elliott W. Langley, manufacturer of razors and pocket knives, No. 74 Reade Street, New York, is overhauling and rearranging his place in anticipation of a large spring trade. Every piece of furniture and all the fittings are being treated to generous coats of paint and varnish, giving a bright and wholesome appearance. Things were at sixes and sevens for some little time.

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Little Giant Steel Trucks.

The G. L. Van Namee Mfg. Co., Gouverneur, N. Y., on page 53 of this issue present to the Hardware trade the claims of the Little Giant Steel Trucks manufactured by them. These trucks have been upon the market long enough to demonstrate their practical use, and the fact that there is a great field open for their introduction. They are adapted for general use, and especially the handling of flour, sugar, ash or other barrels. Speaking of these goods the company say:

"This truck, so properly named, is the result of experiments made by manufacturers, who have placed it upon the market as a strong and reliable truck at a very low price. While combining great strength, it is in construction comparatively light, total weight 14 pounds, a point to be appreciated. This truck is made entirely of metal, has wide tired wheels with well fitted bearings. Its compactness is a feature found in no other; occupying but little space, it can be used where other trucks would be an inconvenience. It is indispensable in factories, flour mills, etc., and for removing ash and garbage barrels it has no equal. The patented adjustable clamp makes a sure and positive grip on a barrel, and its range of adjustment will permit various sizes of barrels to be handled on the same truck. The trucks are neatly finished in black japan. The manufacturers offer this truck as being thoroughly reliable and well constructed and warranted in every respect." They will be pleased to send prices, etc., upon application.

West's Dust Pan.

The two artistic little illustrations here shown present to the eye of the reader a new article that is being placed



FIG. 1.



FIG. 2.

upon the market by James R. West, Gas City, Ind. It is West's Dust Pan. In Fig 1 is shown its method of use; in Fig. 2 a demonstration that it does not spill out in carrying. The maker describes it as dainty, handsome, clean, convenient and cheap. In use the foot is placed upon the tread, the dust is swept into the pan, and by an easy movement the contents shake down where they cannot fall out while being carried away. The manufacturer will be pleased to send further details, prices, etc., to any who may be interested.

A Factory Record.

The Julius Andrae Co., No. 225 West Water Street, Milwaukee, Wis., have figured out a method of record keeping of testing, in their bicycle factory, which is valuable, interesting and unique, and by permission we are permitted to reproduce the same in this connection. It carries its own explanation:

DATE OF TEST: Dec 20 — TESTED BY: AWS — LOT { Samples of — Wire

RECORD OF TEST --- JULIUS ANDRAE, TESTING DEPARTMENT --- MILWAUKEE, WISCONSIN.

RECEIVED AT SHOP Dec. 17th — TEST ROOM Dec. 19th — ARTICLES AND SERVICE Bicycle Sprocket — ORDER No. 229 — MANUFACTURED BY C. C. T. M'F'G Co. — BOUGHT OF Direct

SENT FOR TEST BY: C.C.T. M'F'G Co. — DATE OF LETTER: Dec 17th — REPORTED TO: F. C. Andrae — RECORD BOOK: 113 — COPY BOOK: 201-14

TEST ROOM NUMBER	SIZE B.W.G	GAUGE OVER	GAUGE UNDER	SECTION DIMENSIONS	SECTION AREA	LOT NUMBER	CHAIN TEST DIA. WIRE	CHAIN TEST No. OF LINKS PR. FOOT	CHAIN TEST WEIGHT PR. FOOT	BENDING TEST ANGLE	BENDING TEST CLOSED	ULTIMATE STRESS OBSERVED	ULTIMATE STRESS PR. SQ. INCH	ELONGATION %	POINT OF FRACTURE	FRACTURE AND REMARKS:
906	# 17	—	—	.0550"	.02375	# 1		—	—			3751b	157.895	4½	1" from ch	Short even fracture - good
	16	—	—	.0625"	.03068	# 2		—	—			570 -	185.789	11	¾ " "	Long " " " — very good
	16	—	—	.0625"	.03068	# 3		—	—			550 -	179.270	4½	2 " "	" " " — Coarse
	17	—	—	.0905"	.06438	# 4		—	—			625 -	97.170	1	2½ " "	Short smooth break - poor
																Lot No. 2 — Piano Wire Shows to be accepted being the best & most homogenous material.

A FACTORY RECORD

Wilmot & Hobb's Mfg Co.'s Fire.

The great works of the Wilmot & Hobbs Mfg. Co., Bridgeport, Conn., were visited by a severe fire on the evening of February 4th. The fire was discovered at midnight in the main building, and before the flames were extinguished, the main plant with the exception of a portion of one building was destroyed. The burned buildings were erected at various times since the company built their plant on the present site, some fifteen years ago. All their work, except the hot rolling, which is done at a branch of the factory on Howard Street, was performed here. Their machinery was the most complete of any of its kind in use in the country, and was very valuable. The origin of the fire is a mystery. It is needless to say that this interruption will be but temporary, as the enterprise and energy of the Wilmot & Hobbs Mfg. Co. are such that the loss will be repaired at the earliest possible moment.

Mr. Haines Will Advance Prices.

EDITOR HARDWARE: Will you allow me to say in your columns to the Hardware trade, that having very largely oversold any previous year's production, and believing that prices of lawn mowers are *unnecessarily low*, we shall, one month from date, advance our prices ten per cent.

Yours truly,
DILLE & MCGUIRE MFG. CO.,
Per S. A. Haines, Manager of Sales.

Richmond, Ind., February 20, 1895.

The Moline Plow & Agricultural Implement Co.'s warehouse, Minneapolis, Minn., was totally wrecked by fire on Sunday, February 3d. The large stock was also entirely ruined. The warehouse was a four-story brick structure, 80 feet by 150, and the four floors were stocked with heavy farm machinery of the newest and most modern make. The damage to both building and stock is estimated between $75,000 and $100,000, fully covered by insurance. Daniel Ougheltree, the manager of the establishment, says that the business will be resumed immediately.

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New England Hardwaremen.

THEY CELEBRATE "LADIES' DAY" BY A DINNER IN BOSTON.

A NOTABLE AND HAPPY GATHERING.—REPRESENTATIVES PRESENT FROM ALL PARTS OF NEW ENGLAND.—SPEECHES AND MUSIC.—MANY LADIES GRACE THE OCCASION BY THEIR PRESENCE.

The Second Annual Ladies' Night of the New England Hardware Dealers' Association fell upon Wednesday, February 13th, 1895, and the United States Hotel, Boston, was selected as the place where the banquet should be held. There was a meeting of the Association in the afternoon, but little business was transacted, as the affair of the evening was of so attractive a character, as to naturally take the minds of the members from everything else. The annual election therefore went over to the meeting of next month.

The dinner was given in the banquet hall of the United States Hotel, which was handsomely decorated, four tables being set for the guests. There was a large attendance, the ladies showing their appreciation of the annual invitation by accepting in large numbers. Those who were present were as follows:

MEMBERS AND GUESTS.

Samuel H. Thompson, Lowell.
Mrs. Samuel H. Thompson, "
Albert M. Wiley, Boston.
Mrs. Albert M. Wiley, Boston.
Anthony S Morss, Boston.
Mrs. Anthony S. Morss, Boston.
James A. Farless, Boston.
Mrs. James A. Farless, Boston,
D. Fletcher Barber, Boston.
Mrs. D. Fletcher Barber, Boston,
Solon W. Stevens, Lowell.
Hiram G. Janvrin, Boston.
N. H. Janvrin, Boston.
James H. Kennedy, New York.
James L. Work, Boston.
Mrs. James L. Work, Boston.
Chauncey S. English, Boston.
W. H. Watts, Boston.
W. S. Mitchell, West Roxbury.
J. C. Nichols, South Boston.
John J. Burroughs, Boston.
H. W. Marshall, Boston.
J. F. Fennell, East Cambridge.
Mrs. J. F. Fennell, "
C. R. Maynard, "
Sidney A. Hanks, So. Boston.
Wm. P. Butler, New Bedford.
A. W. DeWolf, " "
J. F. Willett, Roxbury.
B. F. Glover, "
L. R. Small, "
J. P. Mackay, Brookline.
F. A. Fraser, "
T. F. Duffey, Boston.
R. W. James, Roxbury.
W. D. Parlin, Natick.
A. M. Gardner, Boston.
Henry C. Ordway, Boston.
John M. Fiske, Natick.
W. A Laughton, Natick.
F. L. Ellis, Milford.
Mrs. F. L. Ellis, Milford.
John McClinchey, Olneyville, R. I.
Mrs. John McClinchey, Olneyville, R. I.
L. W. Thompson, Woburn.
Mrs. L. W. Thompson, Woburn.
C. E. Chamberlin, Roxbury.
Mrs. H. Austin, "
M. W. Hanscom, Haverhill.
Mrs. M. W. Hanscom, Haverhill.
Austin Whitcomb, Beverly.
Mrs. Austin Whitcomb, Beverly.
James A. Cook, South Boston.
Mrs. James A. Cook, "
Henry M. Sanders, Boston.
Miss Graf, Baltimore, Md.
Geo. J. Mulhall, Boston.
Mrs. Geo. J. Mulhall, Boston
J. E. Morton, Jamaica Plain.
C. C. Richards, Boston.
Fred. H. Butts, Boston.
S. C. Lowe, New Bedford.
Mrs. S. C. Lowe, New Bedford.
N. B. Kerr, New Bedford.
Mrs. N. B. Kerr, New Bedford.
W. A. Swiss, New Bedford.
J. H. Sayward, Haverhill.
Mrs. J. H. Sayward, Haverhill.
N. L. Moore, Boston.
Fred. W. Kidd, Lawrence.
Mrs. Fred. W. Kidd, Lawrence.
Miss Emma Kidd, "
E. M. Richardson, Waltham.
Mrs. E. M. Richardson, "
Thomas H. Baldwin, Boston.
Mrs. Thomas H. Baldwin, "
Chas. S. Farquhar, Boston.
Mrs. Chas. S. Farquhar, Boston.
Frank Chandler, Boston.
Mrs. Frank Chandler, Boston.
Thomas W. Brown, Boston.
Mrs. Thomas W. Brown, Boston.
John T. Cushman, West Newton.
Mrs. John T. Cushman, West Newton.
N. A. Carter, Boston.
Mrs. N. A. Carter, Boston.
G. W. Burditt, Cambridgesport.
A. C. Lanson, Marlborough.
Miss Joslin, "
C. C. Trowbridge, "
Miss Watson, "
John H. Robinson, Hudson.
Mrs. John H. Robinson, Hudson.
John C. Holden, Hudson.
Mrs. John C. Holden, Hudson.
Miss Marion Holden, Clinton.
E. M. Sanborn, Lawrence.
Mrs. E. M. Sanborn, Lawrence.
M. E. Austin, Lawrence.
Mrs. M. E. Austin, Lawrence.
E. P. Flanders, Lawrence.
Mrs. E. P. Flanders, Lawrence.
Chas. L. Rogers, Lowell.
Mrs. Chas. L. Rodgers, Lowell.
Henry A. Fisher, Jr., New York.
N. P. Hayes, New Bedford.
Mrs. N. P. Hayes, New Bedford.
W. E. Pluner, Somerville.
Mrs. W. E. Pluner, Somerville.
C. O. Tukey, Chelsea.
Mrs. C. O. Tukey, Chelsea.
J. B. Taylor, Waltham,
Mrs. J. B. Taylor, Waltham.
A. S. Percival, Waltham.
Mrs. A. S. Percival, Waltham.
E. L. Richards, Boston.
Mrs. E. L. Richards, Boston.
Chas. P. Darling, Boston.
Mrs. Chas. P. Darling, Boston.
Elisha J. Neale, Lowell.
Mrs. Elisha J. Neale, Lowell.
L. F. Sanborn, Boston.
H. W. Colton, Boston.

At a few minutes before five P.M., President Samuel H. Thompson, accompanied by his wife, took his position in the main parlor and formally received the members and their guests. Excellent music was meanwhile discoursed by the Howard Orchestra, composed of a half dozen young ladies, who added very much to the pleasure of the evening by the selections rendered during the dinner. At a little after five the company marched two by two to the dining room, where each lady and gentleman took position in accordance with the diagrams elsewhere shown.

The company stood while Anthony S. Morss asked a blessing. The dinner was first-class in character, and excellently served. We give the

MENU.

Blue Point Oysters, on Deep Shell.
Green Turtle Madeira. Consomme Jardiniere.
Queen Olives.
Baked Stuffed Smelts, fine herbs.
Iced Cucumbers. Potato Croquettes.
Young Turkey, cranberry sauce.
Fillet of Beef, with stewed mushrooms.
Victoria Potatoes. French String Beans.
Sweetbread Cutlets, with flageolets.
Rissoles of Chicken, supreme.
Banana Fritters, cabinet sauce.
Claret Sherbet.
Lobster Mayonnaise. Dressed Lettuce.
Tangerine Bavarian Cream.
Harlequin Ice Cream. Frozen Pudding, Wine Jelly.
Assorted Cake.
Fruits.
Water Wafers. Pineapple Cheese.
Coffee.

Ample preparation had been made for the usual intellectual feature of the evening, the arrangements, both as to entertainment and reception, being in the hand of the following well-known and capable gentlemen:

ENTERTAINMENT COMMITTEE.

Charles E. Adams. Elisha J. Neale.
D. Fletcher Barber. Charles P. Darling.

RECEPTION COMMITTEE.

Hiram G. Janvrin. Frank O. Barber.
George J. Mulhall.

The set programme of the evening was as follows:

PROGRAMME OF TOASTS.

GREETING, - - President Samuel H. Thompson.
READING, "Jean Valjean and the Bishop," Miss Zitella E. Ebert.
"OUR LADY GUESTS," - - - Anthony S. Morss.
ORCHESTRA. - - - - - - - -
"OUR ASSOCIATION," - - - D. Fletcher Barber.
READING, "Since Birdie Commenced Her Delsarte," Miss Ebert.
"OUR WHOLESALE ASSOCIATES," - - Albert M. Wiley.
ADDRESS, - - - - - - Solon W. Stevens, Esq.

When the gastronomic portion of the exercises had been disposed of to the evident satisfaction of everyone, President Thompson called the gathering to order, and delivered a "Greeting" in these words:

PRESIDENT THOMPSON'S "GREETING."

Ladies and Gentlemen—friends of the New England Hardware Dealers' Association:—I desire to thank you, in behalf of our Association, for honoring us with your presence here to-night, and extend to you a most cordial welcome.

If ever I was convinced in my life that woman is the making of a man, that conviction has deepened to-night by the scene before me; for, while I know that our members are a fine looking body of men, yet I must confess I am staggered at the transformation. I didn't suppose they could make up so finely, but 'twas always thus; by woman's art and power the best there is in man is brought to the surface. (Laughter.)

I suppose Scott recognized the two extremes of woman's power when he wrote those memorable words:—

Oh, woman, in our hours of ease,
Uncertain, coy and hard to please,

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And variable as the shade
By the light, quivering aspen made:
When pain and anguish wrings the brow,
A ministering angel thou.

While I was at the fair in Chicago I was fortunate enough to be able to attend some of the meetings of the Woman's Congress, and at one of those meetings, Mrs. Lillie Devereaux Blake spoke on the subject, "Our Foremothers." In her remarks she said that one of the greatest hardships our foremothers had to endure was our forefathers. I thought this was rather hard on our forefathers, but before she got through with them, I felt sorry that they ever existed (laughter), because all the glory they ever had in history was shorn off by the relentless shears of the speaker, and "as the sheep before the shearer is dumb. so I opened not my mouth." But as I left the hall and looked at the building in which it was situated, I was made to realize, in a measure, Woman's Triumph and her fast-ascending power: for not only in the woman's building did her power shine forth, but it threaded every avenue of trade and art, and amid the nations of the earth the woman of America reigned supreme.

Someone well remarked that ever since man's fall in the Garden of Eden, by Eve's temptation, woman has been at work, unceasingly, to help him regain his former position, and in all this labor woman has been made to realize the weakness of men and her own strength, and she has begun also to know how to use this power; but man need never to fear that woman will usurp *his power;* she will displace *his weakness* by her strength of will and of purpose.

I think you will all agree with me that woman wields a power in the world to-day greater than ever before, and in this country greater than in all the world. The Joans of Arc are not all dead yet, and although they lead on in bloodless fields, their triumphs and achievements are greater than ever before. We have in this country scores of colleges for young ladies, and the evidence of the power that these are wielding is seen in all departments of work and life. The almost astounding fact that woman has been admitted into Yale and Harvard and nearly all the great colleges of the land, shows the position that she is destined to occupy. By the will of the late Mrs. Jackson, of Providence, $70,000 was given to Tuft's College for a building to be known as the Cornelia M. Jackson College for Women, and to provide for the instruction of women in the duties of American citizenship and in the theory and workings of the United States Government.

The splendid intellects of our women are a marvel to all the world, and you may rest assured that her ability will win in her claim for equal suffrage in states and nation. (Applause.)

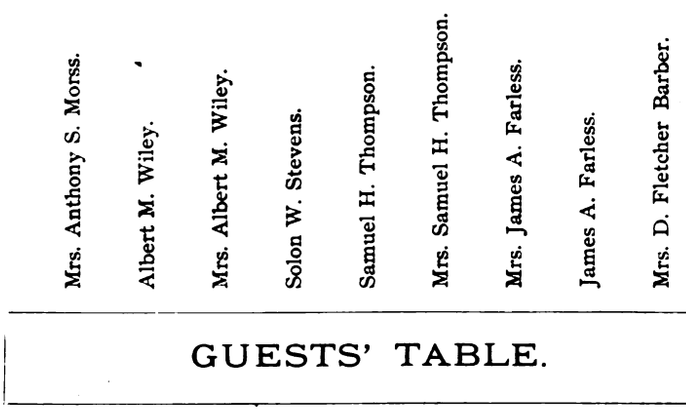
Man has ever been ungenerous in dividing with woman the honors of any field, and in the literary field there was no exception; but her right there to-day is one of supreme fitness and ability, and stands unquestioned, and the names of Helen Hunt Jackson, Margaret Deland, Margaret Sangster, Louisa Alcott, Harriet Beecher Stowe, and scores of others, help to build the defences around her position in the field. She has simply made man stronger, in strengthening her own position, and thus it must ever be.

Her triumphs in art and music, and whatever realm she has entered, have been the same, and when I mention, among the leaders of thought and progress, such women as Mary Livermore, Frances Willard, Lady Somerset, Mrs. Foster, and scores of others, you will agree with me that her power is being felt more than ever before.

Man has built and ever will build monuments of reverence and love to woman. We boast of that greatest shaft in the world—that monument in Washington, built in honor of man, but it sinks into obscurity, beside that marvel of grandeur—The Taj Mahal—built by the great Mogul ruler, Shah Jahan, in honor of his wife. It is the most ornate, wonderful and beautiful piece of architecture in the world, requiring the labor of 20,000 men for twenty years to complete it.

But I can see the foundation that was laid for a greater monument than the world has ever seen yet, in memory of woman. Already the superstructure is rising in grandeur above the dust of selfishness, ignorance and jealousies of the past, and the twentieth century is to see the most glorious achievements in the history of the world, in which woman's part and glory will be equal to man's. (Applause).

I want to say, in closing, that all this has an import and bearing on Hardware and the vender of the same, little as he may dream of it. Were it not for the progress woman has made, during the past years, in all these other lines, our Hardware would be the same old prosy stuff of by-gone years, and the Hardwareman, prosier still, would sit on a nail keg and consider: that the world was growing smaller each year, by reason of his contracting mind, and if he sat long enough, there would not be room even for the keg he sat on; but woman's taste for the beautiful has displaced all this, and so man has evolved from his nail keg to better things in life and living, and he owes it all to the triumph of the woman of to-day. (Applause.)



The chairman then continued: My friend from Lowell and those on my right, have just been discussing "talks from a life of experience," and we were saying how good it seemed to listen to one who was full of years, with a rich experience mingled. We are honored in having with us to-night one whose life is crowned both with years and a rich experience, and who is the oldest Hardware dealer in Boston. Although his memory runs back over the course of years yet his heart is ever young, and his love for the ladies has never diminished. To him we have given the first toast, and it was from his lips we enjoyed the words last year in response to this same toast, and it gives me more than ordinary pleasure to introduce to you A. S. Morss, the oldest Hardwareman in Boston. (Applause.)

Mr. Morss responded as follows:

ANTHONY S. MORSS ON "OUR LADY GUESTS."

Mr. President, Ladies and Gentlemen: Our Association again honors me with the privilege of extending to the

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ladies present their salutations and hearty welcome to its banquet.

"Ladies' Night" has now become everywhere essential to the prosperity of organizations of this nature and of kindred character. So attractive has this feature become that some associations already enjoy two of these occasions each year, and it is claimed by some that every meeting would be benefited by their presence. This, however, would hardly be profitable, because if called to listen to our oftentimes prosy discussions in practical business matters, it would so weary you that you would easily be recognized as our sleeping partners, and so for the present we must be content with an annual visit from our estimable lady companions and friends.

The fact is, we love to hail you rather as silent partners and as such to prize your contribution to our capital. Such in part do we welcome to-night in the bright youth and young manhood of many who join us in these festivities,

Table A

Hiram G. Janvrin.	C. E. Chamberlin.
N. H. Janvrin.	Mrs. H. Austin.
James H. Kennedy.	Mrs. L. W. Thompson.
James L. Work.	L. W. Thompson.
Mrs. James L. Work.	Mrs. John McClinchey.
Chauncey S. English.	John McClinchey.
W. H. Watts.	Mrs. F. L. Ellis.
W. S. Mitchell.	F. L. Ellis.
J. C. Nichols.	W. A. Laughton.
John J. Burroughs.	John M. Fiske.
H. W. Marshall.	Henry C. Ordway.
J. F. Fennell.	A. M. Gardner.
Mrs. J. F. Fennell.	W. D. Parlin.
A. W. DeWolf.	R. W. James.
John H. Robinson.	T. F. Duffey.
Mrs. John H. Robinson.	F. A. Fraser.
John C. Holden.	J. P. Mackay.
Mrs. John C. Holden.	L. R. Small.
Miss Marion Holden.	B. F. Glover.
Sidney A. Hanks.	J. F. Willett.
Wm. P. Butler.	C. R. Maynard.

and who are to become the stalwart merchants of the coming year.

My brief response to the toast to our lady guests will allow me, I am sure, to bespeak for such, if any there be, who reluctantly part from husband, brothers and friends for eight or nine evenings during the year to attend the meetings of our association, your willing, yea cheerful, send-off. We promise in return that they shall come back to you improved in thought, plan and purpose, for what surprises await some of us upon meeting at our Club some fierce business competitor, to find him a genial, companionable good fellow, and that fellow-craftsman who went for our scalp with a whoop! (Laughter.) We take his warm and friendly hand and cease at once to regard him as an enemy; indeed, we are stimulated to become ourselves courageous and aggressive in turn. (Applause.)

The sharp competitor has inspired us with a determination not to be out-done, and the flint has struck a spark from the steel which has fired our business purposes as never before!

So that, ladies, in calling your companions and friends to our monthly meetings, from the glow of the evening fireside, be assured that good results shall follow your sacrifices and a better equipped manhood shall reward your surrender.

Mr. Morss concluded with some remarks of a general character, in which, illustrating the cutting of prices, he told in a taking manner of a case where, as justice of the peace, he had cut the regulation marriage fee. His remarks were received with many expressions of pleasure.

President Thompson then said: I refrained from explaining the origin, plan, and purpose and hopes of this organization, for the reason that we have one with us to-night who was one of the promoters of it, and whose heart and soul have been in the work it has been doing since its establishment. His experience in Hardware is such that he can look at it from all sides, and can present the topic in the best light; and it gives me pleasure to introduce to our guests D. F. Barber of Boston.

Table B

M. W. Hanscom.	E. M. Richardson.
Mrs. M. W. Hanscom.	Mrs. E. M. Richardson.
Austin Whitcomb.	Miss Emma Kidd.
Mrs. Austin Whitcomb.	Mrs. Fred. W. Kidd.
James A. Cook.	Fred. W. Kidd.
Mrs. James A. Cook.	N. L. Moore.
Henry M. Sanders.	Mrs. J. H. Sayward.
Miss Graf.	J. H. Sayward.
Geo. J. Mulhall.	W. A. Swiss.
Mrs. Geo. J. Mulhall.	Mrs. N. B. Kerr.
J. E. Morton.	N. B. Kerr.
C. C. Richards.	Mrs. S. C. Lowe.
Fred. H. Butts.	S. C. Lowe.
L. F. Sanborn.	H. W. Colton.

Mr. Barber then bowed in acknowledgment of the applause with which he was received, and said:

SPEECH OF D. FLETCHER BARBER.

The remark our president has just made, that the topics selected by the other speakers left him very little to talk about, has a touch of humor which I can hardly appreciate, as the chairman of the committee assigned a certain topic and requested me to speak upon it. The president has still further defined this so that I am restricted to a certain line of thought and cannot, as have other speakers, overlap one another and take in a few generalities to make up a respectable toast. The previous speaker in his generous toast to our lady guests took from me the only brilliant thing which I thought I had to work into my remarks. This occurred to me in the middle of the night and made such an impression on me that it seemed to me that it must make a hit—the reference to our "silent partners" who grace this occasion with their presence. My idea was that in a certain sense this Association is theirs as well as ours, and we depend upon the loyalty of their sex to uphold the membership and interest in our Association which they know so well how to do.

Do we, as individuals, need this Association? We each have our church, lodges and clubs, but very rarely we find

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more than one member in our line of business belonging to any one association of this class. We think possibly our president may be an exception to this, as we believe that one church in Lowell can claim two deacons as competitors in the Hardware business. Just what state of love and unity they live in we are unable to state. Any association of this kind cannot take the place of this New England Hardware Dealers' Association, as it has been in the past, or may be in the future. We need to mingle with men engaged in the same line of thought, in order that we may secure greater harmony and the best results. We cannot know our competitors in competitive trade. We must learn to know them in some social manner; then instead of hogs,—hedgehogs,—bristling with bad points, we find them lambs, sometimes with horns, (laughter), but surely not the animals we thought them to be. (Applause.) We must have a feeling of fellowship,—friendship would be better.

This will alleviate a large part of the loss which the trade

Table C

Thomas. H. Baldwin.	Elisha J. Neale.
Mrs. Thomas H. Baldwin.	Mrs. Elisha J. Neale.
Chas. S. Farquhar.	Mrs. Chas. P. Darling.
Mrs. Chas. S. Farquhar.	Chas. P. Darling.
Frank Chandler.	Mrs. E. L. Richards.
Mrs. Frank Chandler.	E. L. Richards.
Thomas W. Brown.	Mrs. A. S. Percival.
Mrs. Thomas W. Brown.	A. S. Percival.
John T. Cushman.	Mrs. J. B. Taylor.
Mrs. John T. Cushman.	J. B. Taylor.
N. A. Carter.	Mrs. C. O. Tukey.
Mrs. N. A. Carter.	C. O. Tukey.
G. W. Burditt.	Mrs. W. E. Pluner.
A. C. Lanson.	W. E. Pluner.
Miss Joslin.	Mrs. N. P. Hayes.
C. C. Trowbridge.	N. P. Hayes.
Miss Watson.	Henry A. Fisher.
E. M. Sanborn.	Mrs. Chas. L. Rodgers.
Mrs. E. M. Sanborn.	Chas. L. Rodgers.
M. E. Austin.	Mrs. E. P. Flanders.
Mrs. M. E. Austin.	E. P. Flanders.

is heir to. I believe in it more than I do in any combination of prices or of rules, and if each member will stand for this principle we shall see through the next year a larger membership, greater loyalty, less cutting of prices and increased profits (applause), and at our next annual banquet we shall greet a larger and possibly a more enthusistic gathering than we do to-night.

The chairman continued: It always takes three classes to make up a successful business, viz.: the buyer, the retailer, and the wholesaler. The two former we are well acquainted with,—the latter we hold in mysterious awe. We, however, welcomed him with open arms to the benefits and influence of our association; realizing we could do him no harm, and hoping he might do us great good by his mature experience. He is with us for better or worse, aud his mystic relation to the retailer will be explained by one of their number. It gives me pleasure therefore to introduce our "wholesale" friend Albert M. Wiley of Boston.

Mr. Wiley, to whom had been assigned the toast, "Our Wholesale Associates," responded as follows:

REMARKS OF ALBERT M. WILEY.

Mr. Chairman, Ladies and Gentlemen. It is with pleasure that I recall the fact that upon the organization of this Association that the jobber was invited to become a member, and the relations now existing between the jobber and the retailer in the East are so amicable. However, it must be admitted there has been created in certain localities a feeling of antagonism toward that class of merchants who stand as a distributing body between the producer and those who come in contact with the consumer. The facilities for shipment and delivery are such, personal contact with the manufacturer is so frequent, that there is a strong temptation on the part of the retailer to ignore the jobber, and deal direct with the producer.

Even when conditions and quotations are equalized—and it is rarely they are not—the preference is given to the manufacturer, for the reason that he is a manufacturer.

In this Association, to which you have invited the jobber to become a member, there is an opportunity, by combined action, to render to each other that service whereby the



SAMUEL H. THOMPSON, PRESIDENT.

good work already commenced may be pushed to greater and better results (applause), meeting, as we do, from month to month; having in mind one another's welfare; using every possible means to attain the end for which this Association was formed; inducing every retailer, every jobber, every salesman, to become so thoroughly interested in its working, that every one identified in Hardware interests may recognize its benefits and advantages.

I do not hesitate to affirm that the time is not far distant when, by the combined action of these Associations, you may say to those manufacturers who are making direct bids to consumers, and materially affecting your interests, that this practice must be stopped.

However, let us first correct abuses existing in our own ranks, before even making suggestions to others. This means hard work, perseverance and an abundance of patience. It means that our neighbors and competitors have rights equal with our own, and their rights must be recognized. (Applause.)

Since this Association was formed you have had hard and perilous times—times when business men have been taxed to the extent of their ability to keep their ventures

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upon a paying basis. Three years ago, had we left our business and gone into politics, and sent business men to Washington (applause), we might to-day be enjoying more prosperous times. Could some of our politicians listen to the hard, sound, common sense of our business men, who by their ability and experience are in a position to pass judgment upon these questions, our business would be better and our prospects brighter. (Applause.)

Whatever may be the feeling of the retailer toward the jobber, I can safely affirm that the relation of every jobber in the city of Boston toward the retailer, is such that he stands ready and willing, and welcomes the opportunity, to push this New England Hardware Dealers' Association along such lines that its influence may be recognized, and we sincerely hope for it years of prosperity.

Mr. Thompson, in introducing the principal speaker of the evening, Solon W. Stevens, Esq., of Lowell, said: In ancient times the saying was "Go to Rome for your warriors but go to Greece for your orators." This same saying might be applied as between Boston and Lowell. (Laughter.) When the leaders of our political party were at their wits' end as to where to find a leader, they thought of Lowell—they had been there twice before, and they knew it was a place to which they could always flee and find refuge. Just so was it with an entertainment committee after they had looked the State over, they began to look close at home, and they were more than rewarded, and the success of their efforts will be heard in the words and voice of the coming speaker. I have great pleasure in presenting to you one who may be a stranger to Hardwaremen, but not to Boston, for many of the halls have echoed with his eloquence. I present to you ladies, and gentlemen, Solon W. Stevens, Esq., of Lowell, Mass.

After a few introductory words, by way of extending thanks for the courtesy of the invitation to be present, and also in pleasant allusion to the ladies, Mr. Stevens spoke as follows:

ADDRESS OF SOLON W. STEVENS, ESQ.

In selecting some topic as the subject of my remarks, I thought it might not be altogether devoid of interest to ask your attention briefly, and perhaps in a somewhat superficial way, to some of the social problems which occupy more or less the attention of thinking people at present in all parts of the country. Standing here in the evening of the Nineteenth Century, in the middle of all the great ideas which science and scholarship are constantly crowding in upon our attention, however much we may be inclined naturally to look with the eye of the optimist in forecasting the future, no reflective mind can study without some apprehension the social questions of the hour, in their relation to the great central question arising from the friction which exists between capital and labor. This is not a question which is to be settled in our times. It is a theme designed to run far into the future, under conditions now in the initiatory process of formation, and upon principles, the application of which people are just beginning to understand.

After enlarging upon this thought, Mr. Stevens called attention to the enormous area and extent of this country as portrayed by Doctor Strong, and alluded to the astonishing rapidity with which it will in all probability be populated. If we could take five of the great European powers, say Great Britain, Ireland, France, Germany and Austria, and by some superhuman effort could lift these lands up and weld them together into one vast plateau and bring it across the ocean, we could lay it down three times on unoccupied land west of the Hudson, and then only cover a portion of our arable soil. We read of Rome as once the mistress of the world, but the Roman eagles in their wildest flights never flew so far as from Plymouth Rock to the Golden Gate. Measure the distance on the map from Boston to Chicago, and you will see that the line varies but very little in length from the longest measurement of the single State of Texas. Think you that in time to come this State with its 262,000 square miles of territory, will be contented with two representatives in the Senate, while the 62,000 miles east of the Hudson have twelve such representatives? Think, too, of the probable rapidity of our future growth. If the man from about the middle of the first quarter of this century is alive to-day, he has seen this country grow from five to upwards of seventy millions of people.

If the statistics of scholars who have made this matter a special study are true, the babe born to-day, at the age of thirty will see this country inhabited by 100 millions, and if he lives to the age of seventy, he will be one of a population of 200 millions of souls. What shall be the character of these future residents? Will they loyally regard this as a nation, or simply as an aggregation of separate States? Will they loyally yield to the supreme law of the land and act for the welfare of each and all, or will they perpetuate and foster, and legislate in accordance with the spirit of discontent which even now like a cloud foretells a storm,



JAMES FARLESS, SECRETARY.

and chokes the enthusiasm of the business man and the scholar as well?

In connection with the subject of the greatness of our country, Mr. Stevens related the story told by John Fiske in his lecture on the manifest destiny of America. A party of Americans met to dine together one 4th of July during the war of the Rebellion, when the prosperity of their native land naturally became the subject of their thought. "Here's to the United States," said the first speaker, "bounded on the North by British America, on the South by the Gulf of Mexico, on the East by the Atlantic, and on the West by the Pacific Ocean." The sentiment was received with applause. "But, I'll go one better than that," said the second speaker. "Here's to the United States bounded on the North by the North Pole, on the South by the South Pole, on the East by the rising and on the West by the setting sun." This was received with rapturous applause. But soon an old hayseed arose in the back part of the room and said: "Gentlemen, this is all very well, but why not put this thing just as it is. Here's to the United States bounded on the North by the Aurora Borealis, on the South by the procession of the equinoxes, on the East by primeval chaos, and on the West by the day of judgment." (Applause and laughter). Continuing, Mr. Stevens said: When

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during last summer Mr. Debs held supreme control of affairs in Chicago, when commerce and industry were paralyzed for several hours by the dictum of one single man, who in arrogance defied the law of the land, didn't you and I look at each other with anxious eyes and ask, what next? Didn't we realize, or rather did we fully realize what a critical moment it was? And when President Cleveland, guided by his accomplished and learned Attorney General, made the insolent usurper feel the force of law, were not our hearts thrilled with joy because the world has been made to see that ours is a nation, and that obedience to its laws is the supreme condition of citizenship! (Applause).

It was all so quickly done, the dignity and the honor of the Nation were so effectually maintained, that we did not at the time fully comprehend the fact that we had narrowly escaped the perils of a Parisian Commune like that of 1870. Then, too, think of this: that at that critical hour the governor of the State which gave to the world the greatest man of this century, Abraham Lincoln, had the audacity to tell the President that his official acts which saved the



D. FLETCHER BARBER, TREASURER.

country from peril were in violation of law! What would have become of our interests had a man like Governor Altgeld at that moment been the occupant of the Presidential chair? (Applause). Suppose the conditions were such as to place in power men who were in sympathy with this sympathizer with Anarchists? What security would you business men feel under such circumstances? Happily, all this has been avoided. But I submit it is a fair question to ask, whether or no it is altogether impossible for such conditions to exist in the future.

In view of all this, I think the all-important lesson of the hour is loyalty to American institutions, and loyalty to the Christian ideals of American citizenship. (Applause). The lesson cannot be too often taught that this government is republican in form and spirit; that the Constitution is the supreme law of the land, and that every citizen regardless of color, race or creed, must not only acknowledge allegiance to it, but live in obedience to its commands. Go stand at Castle Garden and bid the stranger welcome, if you will, to the royal privileges of citizenship in this Western World, but as you take him by the hand tell him in unmistakable accents—teach him so that he will never forget it—that liberty is not synonymous with license; that this land is not the dumping ground for the lawless overflow of other climes; that this is not the rendezvous for the hair-brained apostle of discontent, nor a shelter for the assassin with his stiletto, nor a home for the Anarchist with his torch of flame, and make him understand clearly that before he can sit at our family board, he must lay aside his peculiar prejudice of race and education, and adopt as his own, the spirit of American institutions, conform to American customs, be henceforth American at heart as well as in name, and at all times and forever be loyal to the American flag. (Applause). And in addition to this, teach him that while we believe in toleration of belief in every variety of political or religious creeds, this is a land with open Bibles upon its altars, and that no man, be he ecclesiastic or layman, can be allowed to abate by one jot or tittle the integrity of our system of free, common, public, unsectarian schools. (Great applause).

Furthermore, I believe the instruction in our schools should be given in the English language. This nation is not to be considered an aggregation of European communities, but a nation of English-speaking people, whose language is to become, I fondly think, the language of the world.

As we think of the promises and suggestions which the outlook for the future presents, there is one other thought in this connection which is interesting. The study of the evolution of society has recently been carried on along lines where it has been found necessary to recognize what scientific thinkers call extra-rational or altruistic influences. Mr. Benjamin Kidd has taught us that social evolution can be accounted for in no other way than in accordance with religious principles. So that what we have long been taught by dogma, we are now learning by purely philosophical methods, and science even is teaching the foundation idea of the Golden Rule.

Socialism seeks to do away with the competitive principle, but social development carries this principle to a higher degree and admits all the poor and the rich to a contest for the prizes of life, and seeks not the welfare of the individual selfishly, but the good of others as well. So it seems to me that in reference to the great question between the wage-earner and his employer, there is a necessity for the application of this principle in order to obtain its solution. When Abraham Lincoln in the dark days of the war was depressed and felt that the Fates were against the salvation of the Union, suddenly he heard a voice from the heavens saying, "let my people go," and with one stroke of his pen he lifted four millions of souls from bondage into freedom. (Applause). As we read the signs of the times, ladies and gentlemen, and think of these perplexing questions which confront us, we must acknowledge that they can never be settled until they are settled on the basis of right. And it seems to me if we listen we may hear a voice from the clouds saying to the capitalist and the wage-earner, to the rich and the poor, "As ye would that others should do unto you, do ye even so to them."

After further discussion of the Darwinian and Spencerian theories of social evolution, and their failure to account for social development without the recognition of religious influences, and after a few pleasant personal allusions, Mr. Stevens concluded as follows:

Our individual lives are like the sands on the shore—for a moment they are seen, and in an instant they disappear forever. But the influence of each one remains. We live, we dream, we think, we hope, we love, we plan, but of the impenetrable future we do not, we cannot know. It is only by reliance on Him who holds the nations in His hand, that we live and move. Trusting thus, let each one do his part for the strengthening of sentiments, loyal to American ideals of Christian manhood, and if the dark days of distress and distrust shall come, let each be firm in the faith, and show that loyalty to our cause which was typified by the sailor in classic story, who, when the waves were beating upon his

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craft, and darkness had robbed him of the knowledge of his course, exclaimed, "Oh, Neptune, you may drown me beneath the waters, if you will, but as long as life and strength shall last I'll keep my rudder true." (Applause).

We read in sacred story that the wise men of the East followed the star westward until it rested over the cradle of the Babe at Bethlehem. We read also in secular story that the star of Empire passed westward from Persia to Greece, thence to Rome, thence still westward to the hills of Albion. Can any one who reads the signs of the times with discernment fail to see that the same star of Empire is in these latter days moving in westerly course, destined, it would seem, to pause in its career over this beloved republic of ours, which, among the nations, is but an infant still. May He, who has thrice rescued the nation from the agonies of war, preserve this people from internal strife, and hold them in the bonds of peace until the remotest generations of time. (Applause).

When the applause which attended the close of Mr. Stevens' admirable address had subsided, Chairman Thompson said: Unexpectedly we have with us to-night one who looks at us from a newspaper and editorial point of view, and we feel the meeting would not be complete without a few words from him; and it gives me pleasure to introduce to you James H. Kennedy, editor of the well-known journal HARDWARE.

The response was as follows:

REMARKS BY JAMES H. KENNEDY.

Mr. Chairman, Ladies of New England, and Gentlemen of the New England Hardware Dealers' Association: In accepting the cordial invitation of your secretary to meet with you this evening, I had but two objects in mind; one, that I might listen to the able and entertaining speeches that are certain to be heard when the members of this Association come together in their annual meeting; the other, that I might meet in person many gentlemen with whom I have had pleasant business correspondence for some years past; but it was nowhere within my expectation to be called to address you in formal speech, especially at this hour, when the minds of most of us are upon the time-cards of the railroads leading out of Boston.

I am persuaded that, in calling upon me, your president has, for the once, made a mistake. He was searching about in this end of the room for some good man—some better man than myself—with whom to fittingly end this pleasant programme. An evil star has led him to the end of this table. Perhaps in his search for that better, that best man, he found himself in the condition of the Irishman who came to his post of duty in a dilapidated condition—one arm in a sling; his nose where his eye should have been; an ear hanging by frayed edges to his bandaged head.

"Why, Patrick!" said his employer, "what does this mean?"

"I've been to a wedding, your honor."

"A wedding! You mean a wake!"

"No, sir. I went to this wedding and there was thereabouts a slip of a dood who was carrying too many airs to suit me; an' I walks up to him, an' I sez, 'Who be yez?' An' he sez, 'I'm the *best man!*'—*and be gorry he was!*"

I have listened with the deepest interest to the able speeches your entertainment committee have provided. The one to which we have just listened—that of Mr. Stevens, was a bugle call to the great moral battles of the near future. A speech indeed worthy of utterance even here at the foot of Bunker Hil! I would that it might be sent broadcast through all the land; placed in the hands of American lawmakers, and teachers, and parents of the coming generation, everywhere! (Applause). The address of your chairman also interested me—but for one brief moment I listened, and trembled. When he forsook the safe level of Hardware dinner prose and dropped into poetry, I was reminded of the fate that befell the luckless youth of whom we were told by Mr. Rex at the recent annual dinner of our brethren in Philadelphia. Called upon for the first time in his life to respond to the toast, "The Ladies"—and in their presence too,—he essayed the lines of the Scottish bard, which our president has so melodiously quoted:

"Oh, woman, in our hours of ease,
Uncertain, coy and hard to please,"

and here he was stricken with the fever of stage fright—most of us have had it;—floundered about for a moment, and then, in a wild grasp at some poetic straw, ruined his oratorical reputation forever by concluding:

"Yet, seen too oft, familiar with her face,
We first *endure*, then *pity*, then *embrace!*"

Then our friend at the left, (Mr. Morss), uncovered before us some of the dark secrets of his profession. Perhaps he is the man for whom I have been looking for twenty years. He was careful not to tell us how much that wedding fee of which he cut the price, amounted to. In the historic incident which memory now recalls, the groom asked the 'Squire how much would be the fee. "Well," said the



SOLON W. STEVENS, ESQ.

modest official—you know all New England 'Squires temper justice with modesty—"the law allows me two dollars."

"It does, does it!" ejaculated the groom; "well, here's fifty cents more,—*and that makes it two dollars and a half!*" (Laughter). I see Mr. Morss nods his head in acqiesence—we have fitted the case to the culprit.

I have had the pleasure of visiting Boston but once before. I came to-day expecting to see many strange faces; but as I look about this board upon the faces of New Englanders from several states, it seems as if I had known you all my life. It was my fortune to be born and raised in Ohio—in that glorious New England section known as the Western Reserve: that section which has done for the farther west what New England had before done for it;—aiding by money, and sinew and brain in the creation of those fair commonwealths—of Illinois, and Michigan; of Colorado, of Iowa, of Kansas. Speaking of this last-named land of cyclones and sockless statesmen, recalls that Populist who came down east and made a call upon his friend—a thrifty farmer of New England. "And you call this agriculture!" he said in contempt; "this farm of yours, which is nothing but a ridge of rock set up edgewise! You ought

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to see my farm in Kansas—six hundred acres of rolling prairie, covered with waving grain—and a mortgage."

"Yes," said the horny-handed son of the old Bay State, "*I hold that mortgage!*"

The portion of Ohio of which I speak was, in my boyhood days, like a corner of New England taken up bodily near a century ago, and set down in the wilderness—the wilderness which, at the touch of Yankee thrift, soon blossomed as the rose. The new-made towns were named after the dear old communities left at home—Farmington, Bristol, Southington, Newton, Hartford. The people were all New England in name—the Wolcotts, the Beldens, the Curtisses, the Adams, the Holmeses, the Hatches, the Pecks. They attended the Congregational church, as did their fathers: they all talked through the same Yankee nose, (laughter); they held the same ideas of liberty, of the rights of man, of religion, of God. They planted a portion of Plymouth Rock upon the banks of Lake Erie.

When they chose their land and settled down upon it, the first thing they did was to stake out a grave-yard—too



ANTHONY S. MORSS.

often the thing first needed; the next, to reserve a corner for the church; and after that came the school-house. They had no gilded codfish on the steeple of that church (laughter), but the real thing itself was piled—high, and salt, and dry, in every country store; they still hung, with thirsty hold, upon the food of their forefathers.

Mr. Chairman, it is not for me to tell you what New England is. I need not tell you what she makes in the Hardware line; how much of it she makes; how much she makes upon it. There is no corner of the world that does not thankfully use her finished products. When I came in to-day from my home toward the southwest, I could see all along the line—in the scores of busy towns through which we passed—great factories bearing upon their fronts the names of manufacturers known the world over; names grown very pleasant and familiar to me in these years that have passed since I entered the Hardware trade through the modest door of trade journalism.

When Mr. Morss so eloquently quoted the words of Webster, there came into my mind one remark made by this mighty man to which I must take exception: "Massachusetts! *There she stands!*" She does not stand! She has not stood still for one moment since the winds of God drove the argosy of liberty upon these shores! (Applause). She moves on and on. From conquest to conquest. From triumph to triumph, in the world of invention; of material things; of civilization; of moral improvement, and mental example before the world.

There was another feature I was compelled to observe when passing over the wintry landscape to-day—countless bill-boards, and barns, and sheds adorned with such legends as these—a pertinent preparation for some dinners, perhaps, but not needed here—"Castoria, children cry for it!" "Beeman's Pepsin Gum cures Indigestion." "Little's Liver Pills." I do not, however, hold the Hardware trade responsible for this defacement of the face of nature.

One word in conclusion is necessary for the full easement of my mind. We have had several great trade dinners in New York, but there was, in each, some undefined lack—some "Lost Chord"—that marred the harmony. I did not, until to-night, know what that was. We have had rows of white shirt fronts and black coats—that monotonous array of which Mr. Stevens so eloquently spoke—but we have never realized the full measure of our opportunities; never had all that we might have had of grace, and sweetness, of color and smiles; never have done as we might have done—entertained angels—as you have to-night. (Applause).

Edwin L. Haley & Co., No. 185 Fort Hill Square, Boston, Mass., are sole New England representatives of the following houses: Phœnix Horse Shoe Co., Poughkeepsie, N. Y.; Columbia Spring Co., Leggett Spring & Axle Co., James McKay & Co., Pittsburg, Pa.; Columbus Bolt Works, Columbus, Ohio.; Lebanon Rolling Mills, Lebanon, Pa. Edwin L. Haley is well known in the Hardware trade, having been for twelve years a member of the well known firm of Dodge, Haley & Co., and also president of the New England Iron & Hardware Association. In boyhood, Mr. Haley commenced with the old house of Butler, Sise & Co., who were located at No. 120 Milk Street, which was located upon the site now occupied by the Exchange Club. He was also employed for eleven years by the well known house of Bigelow, Dowse & Co., Boston.

During the blizzard of this month the water poured into the wheel pits in the engine room of the Narragansett Electric Light Co., Providence, R. I., ruining the large belts which transmitted power to the dynamos. New belts were needed at once, but by a liberal use of the telegraph and telephone the factory of the Page Belting Co. at Concord, N. H., was reached, and before midnight two of the largest belts in the country were on their way to the scene of the disaster. These belts are made of three-ply leather, one of them being 137 feet long and 72 inches wide, the other of similar proportions. The combined weight of the two belts is 4,720 pounds. And so the good people of Providence did not have to go around by the light of the moon but a single night.

The Hardware trade have a very extended and pleasant acquaintance with Olney Arnold, II, secretary of the American Screw Co., Providence, R. I. This acquaintance, we are afraid, does not yet extend to Olney Arnold, III, who became a prospective voter of Rhode Island, on February 12, 1895. As the young gentleman weighed nine pounds at the time of his advent, and as the horoscope of a newborn child is usually forecast in accordance with his avoirdupois on his first weighing, it is hardly necessary to say that a prosperous and pleasant future extends before the young gentleman. The best wish that can be extended him, is that he shall in all ways walk in the steps of his father.

The wire screen factory owned by E. T. Burrowes, Portland, Me., was damaged to the extent of $10,000 by fire on February 13th. The loss was fully covered by insurance.

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Death of Eugene L. Maxwell.

Eugene L. Maxwell, of the firm of Manning, Maxwell & Moore, railway and machinists' tool supplies, No. 111-113 Liberty Street, New York, died suddenly Saturday night, February 9th, at his home, No. 100 Eighth Avenue, Brooklyn, in his forty-fourth year. Mr. Maxwell was prominent in Brooklyn club circles, being a member of the Montauk, Hamilton, Atlantic Yacht and Riding and Driving clubs, having served as treasurer in the latter organization for some years. He was associated in business with President Moore, of the Montauk Club. Mr. Maxwell was also a well known clubman in New York, being connected with the Rembrandt, Lawyers' and Engineers' club. Henry W. Maxwell, his brother, is a member of the Board of Education. He leaves a wife and two daughters. J. Rogers Maxwell, President of the New Jersey Central Railroad, is also a brother of the deceased. The following touching tribute to his memory from the *Brooklyn Eagle* sums up his character in fitting words: "A better man than Eugene L. Maxwell did not live in Brooklyn. Death recalls the classic theory of its preference for the best by taking him. There was every feature of untimeliness in the stroke. Life, love, affairs and the unsettled problems of reform and progress, seemed to need him. While no man is indispensable, and while the illusion that any man is indispensable is one which fate cynically delights to dispel, this man was so useful, so helpful, so inciting and so exemplary that his loss is an impoverishment of those to whom his career and character were dear and inspiring. We gratefully, but with deference, number ourselves among them. So will every advocate of truth in business, toleration in faith, charity in estimate, patriotism in citizenship and principle in politics and in government here include his heart among those that loved him and mourn him. He touched no life he did not better. He spoke no word that did not cheer and clear. He did no deed that was base or little. His was a constant fitness for life, and, hence, a constant readiness to die."

The funeral was held on February 12th at Mr. Maxwell's late residence on Carroll Street and Eighth Avenue, Brooklyn. The attendance was exceedingly large, more than two hundred representatives of the machinery and kindred trades, business acquaintances of Mr. Maxwell, coming from New York in a body. Mayor Schieren, President Charles A. Moore and Col. Henry S. Manning, partners of Mr. Maxwell for many years, and many representatives of the Hamilton and Montauk clubs, and a large number of his neighbors of the Park Slope were present. The Rev. Samuel A. Eliot, pastor of the First Unitarian Church, of which Mr. Maxwell was a trustee, conducted the service. The pall-bearers were: William H. Williams, Timothy L. Woodruff, Francis E. Dodge, W. W. Rossiter, Sturgis Coffin, Stephen Aller and Alfred Brotherhood. The floral offerings were numerous and beautiful, some coming from friends in Philadelphia, Boston and other distant places. The interment was in Greenwood.

Pursuant to a call sent out by Lewis S. Silva, of the George F. Blake Mfg. Co., No. 95 Liberty Street, New York, the following named gentlemen met at his place of business at 12.30 P. M. on the 12th, and in a body attended the funeral:

George H. Stover, the George F. Blake Mfg. Co.; James D. Foot, President Kearney & Foot Co., No. 102 Reade Street; A. Aller, No. 109 Liberty Street; John H. McCoy, Leonard & McCoy; J. Q. Maynard, No. 114 Liberty Street; F. M. Reynolds, Graves Elevator Co.; L. A. Kimball, No. 107 Liberty Street; J. F. Rogers, 107 Liberty Street; John J. Canavan, No. 139 Liberty Street; T. R. Almond, No. 83 Washington Street, Brooklyn; J. F. Holloway, Snow Steam Pump Works; A. Saunders, D. Saunders' Sons; A. A. Dame, Dame & Townsend; John Harlan, McNab & Harlan Mfg. Co.; James H. Goldey, Hardware Board of Trade; R. Dudgeon; John H. Lidgerwood, Lidgerwood Mfg. Co.; Russell R. Brown, Snow Steam Pump Works; W. L. Clark and E. M. C. Davis, Niles Tool Works; F. H. Stillman, Watson & Stillman; J. C. Saxton; J. S. Mundy; E. T. Copeland, New York Safety Steam Power Co.; L. S. Silva, A. A. de Bonneville and James G. Winship, the George F. Blake Mfg. Co., No. 95 Liberty Street; Mr. Shippey, John A. Roeblings' Sons Co.; C. L. Waterbury; Angus Sinclair, *Locomotive Engineering;* P. M. McLaren, Abendroth & Root Mfg. Co.; J. W. Cooke, Cooke & Co.; Andrew Mercer; E. P. Hampson; C. H. Dickerman, Milton, Pa.; C. P. Day, *Locomotive Engineering*.

They adopted this plan that they might more fully show the thorough respect and appreciation that the machinery and kindred trades held for one who had been so long and well known to all of these branches of the business community.

The Geuder & Paeschke Mfg. Co., manufacturers of tinware, Milwaukee, Wis., offer to the trade a full line of cream cans and cream can trimmings for the ensuing spring trade. Among the specialties they make for the dairy trade are their celebrated Fairmont cream can gauges, and their self-locking cream cans, and self-locking trimmings, patents on which have just been granted and which they now propose pushing vigorously, having lately very materially perfected their tools for the production of these goods. The trade are cordially invited to write for prices on anything they may be in need of in the various lines manufactured by this firm, and they can rely on always receiving the very lowest market quotations in answer to their inquiries.

The Paint & Oil Club of Boston, Mass., held its eleventh annual dinner on the evening of February 14th at the Brunswick Hotel in that city. A new departure was the presence of ladies as invited guests. President Anthony Wayne Strauss presided, and at the table with him sat Mayor Curtis, Mrs. Helen H. Gardener, Rev. C. W. Biddle, Miss Alice Stone Blackwell, Miss Florence G. Shaw, Mrs. May E. Shipp, Thomas E. Johnson and Lewis E. Tilden. Felicitous speeches were made by the ladies, guests and the members of the club. Some fine vocal and instrumental music was rendered, and at a late hour the assembly departed for their homes well pleased with the gastronomical and social events of the evening.

There will be an important meeting of the National Board of Trade of Cycle Manufacturers in New York on February 25th. The Board have sent circulars to the manufacturing trade, asking the following questions: 1. Are you in favor of one or two cycle shows? 2. What city or cities do you prefer? 3. What dates do you recommend? 4. How many days should each exhibition remain open? 5. How many days should elapse between the closing of one show and the opening of the other? 6. If two shows are given, which section, East or West, should be given first? It is expected that the answers to the above questions will make interesting reading.

S. W. Entrekin, No. 204 North Second Street, Harrisburg, Pa., introduces to the readers of HARDWARE, upon page 62 of this issue, the Entrekin Combined Cutter, Punch and Plyer. He has sold large numbers to the sewing machine trade, and has also been pushing it successfully into the Hardware trade. It is made expressly for sewing machine and other round belting, and as there are a number of other machines using belts of this character, the jobbers can no doubt find it well worth while to look into the character of this article. The manufacturer will be pleased to hear from any who are interested.

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Hardware Club Notes.

The following correspondence carries its own explanation, and was brought out by the recent burning of the new home of the Merchants' Club:

HARDWARE CLUB,
No. 253 Broadway, N. Y., February 14, 1895.

To the Officers and Members of the Merchants' Club:

In behalf of the Governors of the Hardware Club, I beg to extend to you our cordial sympathy in the temporary misfortune which you have sustained, and also to offer you the privileges of the Hardware Club, which is open from 8 o'clock in the morning until 8 o'clock in the evening.

Yours truly, WM. H. WILLIAMS, President.

William H. Williams, Esq., President Hardware Club.
No. 253 Broadway, N. Y., February 14, 1895.

Dear Sir: In behalf of the directors and members of the Merchants' Club, we beg to thank you most heartily for your expressions of sympathy, and for your generous invitation to our members to avail themselves of the privileges of the Hardware Club during our temporary misfortune, which we thankfully accept.

Your kindness will be held in grateful remembrance by our Club. Yours very truly,

WILLIAM E. GELIN, President.
ED. N. TOWNSEND, Jr., Secretary.

At a recent meeting of the board of governors of the New York Hardware Club, a committee were appointed for the presentation at the coming annual meeting in March, of the names of gentlemen to succeed the following members of the board of governors, whose terms at that time expire: Alfred D. Clinch, Charles Daly, Brace Hayden, M. C. Ogden and Webster R. Walkley. The gentlemen constituting this committee are Frank H. Thompson, of the Stanley Rule & Level Co.; George Munson, of Sargent & Co.; George B. Germond, Russell & Erwin Mfg. Co.; George A. Graham, John H. Graham & Co., and James D. Foot, of the Kearney & Foot Co. In accordance with the provisions of the constitution, this committee shall nominate in writing the members of the club who have consented to serve as governors, and the names of these gentlemen shall be placed upon the bulletin board, at least ten days before the annual meeting.

The following gentlemen have been unanimously elected to membership in the New York Hardware Club since our last report:

L. A. Kimball, No. 107 Liberty Street.
Abner M. Wilcox, No. 23 Park Place.
John A. Hiltner, No. 271 Broadway.
Edgar W. Abbott, No. 29 Barclay Street.
Ernest F. Birmingham, No. 253 Broadway.
Henry Bright, Tribune Building.
Fred. W. Coffin, No. 238 Columbus Avenue.
Daniel H. Dorsett, Jamestown, N. Y.
Clarence W. Fox, No. 52 Park Place.
Joseph A. Fuller, No. 33 Chambers Street.
Harry Hoyt Good, No. 57 Murray Street.
Frank H. Hoffman, Waterbury, Conn.
Frank H. Lancaster, Jersey City, N. J.
John N. Lindsley, Orange, N. J.
Jas. F. Maccabe, No. 16 Murray Street.
Albert J. Milbank, No. 71 Hudson Street.
Henry Morgenthau, Tribune Building.
Duane H. Nash, Millington, N. J.
E. T. Perry, Tribune Building.
Chas. Porcher, No. 29 Broadway.
Herman Ridder, *Staats Zeitung*.
W. F. Rockwell, Meriden, Conn.
L. C. Smith, Syracuse, N. Y.
Geo. B. Tripler, Tribune Building.
William Whiting, Holyoke, Mass.
F. W. Woolworth, No. 280 Broadway.

Philadelphia Association Committees.

We have already published the results of the annual election of the Hardware Merchants' & Manufacturers' Association of Philadelphia, when President William W. Supplee, Vice-President Samuel Disston, and Secretary and Treasurer T. James Fernley, were unanimously reelected to the positions which they have so long and honorably occupied. The committees for the coming year have now been appointed, and we are pleased to present the same herewith:

Grievance Committee: Wm. D. Supplee, chairman; Jas. S. Bonbright, Paul A. Griffith, Walter J. Parsons, Tyler B. Hendrickson.

Freight Committee: James H. Ritter, chairman; Wm. C. Peters, Fayette R. Plumb, Ralph H. North, Thos. Devlin.

Membership Committee: Robt. W. Mallon, chairman; Chas. M. Biddle, Alfred C. Rex, Geo. B. Darby, T. James Fernley.

Room Committee: Frank H. Taylor, chairman; Wm. H. Allen, Henry A. Terry, Wm. S. Lloyd, Thos. W. Sparks.

Jobbers' Committee: Wm. D. Supplee, chairman; John R. Griffith, James H. Ritter, John R. Seltzer, James S. Bonbright.

Iron and Steel Committee: H. B. Nicholson, chairman; Einwechter & Wyeth, Cann & Saul, E. L. Hand & Co., Ellicott Fisher Co., Nicholson & Renwick, W. H. Bennett & Co.; Park Bros. & Co., Limited.

Manufacturers' Committee: Fayette R. Plumb, chairman; Samuel Disston, Lewis W. Klahr, Geo. Barnett, Ralph H. North.

Death of Mahlon J. Woodruff.

As this issue goes to press there comes the sad news of the death of Mahlon J. Woodruff, president of the Russell & Erwin Mfg. Co., who departed from a life of active usefulness on February 22nd, at his residence, No. 20 East Eightieth Street, New York. It had been feared for some days that his severe illness might at any moment have a fatal termination, but a temporary rally a couple of days ago renewed hope in the hearts of his friends. Only a brief note may be here made of Mr. Woodruff's business career or personal character, more detailed mention being reserved for a later issue. He was born near Sherman, New York, some fifty-nine years ago, and it was in early manhood that he entered the service of the great company with which his entire business life was passed. He served as its treasurer from 1885 to 1893, and as president from the date last named until his death. He was also director in the Menantic Steamship Co., Limited, of Bristol, England; a member of the Ohio Society and of the Hardware Club. A widow and two children, John S. Woodruff and Mrs. Arthur F. Hogar, survive him.

The works of the Watson Iron Co., Bridgeport, Conn., have been leased by the Bridgeport Mfg. Co., which has been organized for the purpose of manufacturing cutlery and Hardware specialties. Willis F. Hobbs, the president of the company, was formerly treasurer of the Wilmot & Hobbs Mfg. Co. E. N. Sperry, the tresurer, is a prominent banker and president of the Bridgeport Board of Trade, and formerly treasurer of the Monumental Bronze Co. The secretary, Anton Trauk, has been connected with the Bridgeport Knife Co. On March 1st the company expect to have some of their lines ready for the trade.

Another example of "the right man in the right place," may be found in the fact just telegraphed from Cleveland, Ohio, that T. James Fernley, secretary and treasurer of the Philadelphia Hardware Merchants' & Manufacturers' Association, has just been elected secretary and treasurer of the recently formed National Hardware Association, of which Mr. Supplee is president. Good!

The Coburn Trolley Track Mfg. Co., Holyoke, Mass., have just put in a galvanizing plant, and are prepared to furnish all their track and fittings, galvanized as well as japanned, at short notice.

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Review of the Markets.

Financial: There has been no change worthy of mention in the New York money market, though it has been somewhat influenced by the turning into the national treasury of nearly $11,000,000 in gold, on account of the local subscription to the new bond issue. The ten days which were allowed Congress to act on a currency bill, have expired without that august body arriving at any decision. Advices from London are to the effect that in spite of the uncertain action of Congress with regard to the bond issue the new loan of the United States Government is regarded there with a great deal of favor. In advance of the announcement of any terms of issue the new bonds are bid for at a premium.

Hardware: No great changes have been noted, but there is a steady though slight improvement in the tone of the market. The general opinion is that if the currency question were settled in a satisfactory manner business would improve wonderfully. The stocks carried by both jobbers and dealers are quite small, and will probably be kept so for some time to come. The volume of trade is fair.

Wire Nails: The Wire Nail market is in better shape than it has been for a year. The mills have orders enough to keep them busy till about the 1st of May. Dealers are pleased with the present condition of affairs. Large lots at mills are held at 90 cents and carloads are bringing from 92½ to 95 cents. The tone is firm.

Cut Nails: There is no change in the Cut Nail market; 85 cents is the quotation for lots on dock at New York, 60 to 65 cents average. Small lots at store bring from 90 cents to $1.00. Business is dull.

Bolts: The volume of business is materially the same. The meeting of the manufacturers of Common Carriage Bolts, Machine Bolts, Lag Screws, etc., which was to have taken place in Cleveland on Wednesday, February 13th, was postponed until February 20th, when the discounts on the new list will most likely be determined. In the meantime business transactions will be based on the old lists.

Axes: The old prices govern. There is no change in the demand.

Locks: The market is unchanged and prices are still at the same low figure.

Tacks: The trade in tacks is quiet. Prices are the same as a month ago.

Knives: There is a good trade in the domestic grades of cutlery, especially in the cheap lines. The import trade is not yet fairly started.

Skates: The large sales of skates that were made during the cold snap has left that trade in fine shape for another season. Most of the retailers have disposed of their stock, and will have to lay in entirely new stock for the next season.

Linseed Oil: The advance of prices by the western dealers was expected to cause a similar advance in the east, but so far there has been no change. The depression in the cake market is a great incentive to putting oil here on a higher basis, but the possibility of increased foreign competition impels the crushers on the seaboard to go slow. In the west there is no fear of competition from abroad, and hardly more of competition from the eastern mills. It is generally understood that there is more oil here than is needed, and in spite of the light demand in their own markets, it is thought that with the freights against them the eastern crushers would not attempt to find a market in the west unless prices there should advance considerably.

Red Lead: Business is quiet though prices are well maintained by the various dealers for German makes at 4⅞@5¼ cents on the spot, as to quantity. For future delivery there is not much inquiry, and prices may be called nominal at 4⅝@4¾ cents.

White Lead: Business has been almost stopped during the past week. The heavy storms that prevailed in the whole country made the transportation of goods impossible, and checked what little trade there was in sight. Dry Lead is at 4½ cents, less the usual discount. There is no change in the price list recently issued by the National Lead Company. The list appeared in our last issue.

Litharge: Very little new business is reported, about all that is being done being regular contract deliveries to the glass trade, as about all the rubber factories have shut down for the present. Values, however, remain at 4¼@4¾ cents.

Window Glass: The keen competition between the manufacturers in the Pittsburg section and those of Indiana has had a demoralizing effect on the market, and prices have suffered in consequence. Discounts are in some cases as great as 85 and 25@90 per cent. off the old list.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot... ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c.	℔
Over 3½ to 5 " " 18c.	℔
Square and Hexagon Rods, 1c. extra.	℔
Tobin Bronze Piston Rods.	
¼ to 3½ inches, inclusive...18c.	℔
Over 3½ to 5 " " ...19c.	℔
Antimony.	
Hallett's ℔	7¾
Cookson's	9¼
Lead.	
Foreign ℔	nominal.
Domestic	3½@3¾
Spelter.	
Foreign ℔	4¾
Western, common	4
Zinc.	
Sheet, cask ℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20	4½
Do. 20x28	9.10
D. R. D. grade, 14x20	4¾
Do. 20x28	8½

Clapp & Co., bankers and brokers, New York, in their latest weekly letter speak as follows: "The persistent faith of investors seems likely to secure the reward it deserves. Private hoarding of gold may not prove profitable. Business interests may shake off the incubus of political control. The strong, deep current of national prosperity will carry all who have faith, energy, economy, honesty, skill and industry. For about twenty-three months the country has suffered from a variety of experiments made by a party that for the first time in thirty years had complete control of our national legislation. Their success in doing the right thing at the wrong time and the wrong thing at the right time is now historical. They have seemingly preferred any wild method to cover a tariff reform deficit rather than foster home industries or reciprocity with foreign nations. The tax collected on foreign importations has not prevented buying gold or borrowed money at a 25 per cent. increased rate of interest. Many miners are now devoting their time to digging gold rather than silver, which never sold lower than recently quoted. The imports, exports and re-exports of Great Britain as reported by the London *Statist* for years named indicate their highest expansion of trade was in 1890, 1891 and 1892, and that a slight shrinkage in business has been in progress during the past two years. Possibly their loss was in American business."

THE CLEVELAND TRADE.

For the most of the time during the past two weeks we have been storm-bound and experiencing the difficulties in communication that have beset the whole country. The result has been a lull in business. Now that the mercury is registering a more reasonable temperature trade has revived, and, if we have no more misfortune, February will close with a record of natural improvement over February of 1894.

The firmer feeling in prices of Wire and Nails which commenced two or three weeks ago, on the part of manufacturers, continues in full force, and prominent makers claim, not without reason, that March will show a still further stiffening in prices. All mills have received orders for

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Wire and Nails that will tax their ability to fill, and dealers who have not made their arrangements for spring stocks will do well to provide for them so that they may not be disappointed.

Seasonable goods, such as Wire Cloth and Poultry Netting, are in good demand, and prices are very firm. Manufacturers of these commodities are also well supplied with orders, and with the limited capacity for production and constantly increasing consumption, it is fair to presume that when the season actually arrives there will be the usual difficulty in obtaining supplies promptly at any price.

Hand Farming Tools are not moving with their usual activity at this season of the year. Reports from country dealers are to the effect that the consumption of 1894 was not so large as usual, and, as a consequence, many have sufficient carried over to give them a good start.

Builders' Hardware will be in active demand, if reports are to be relied upon. Locally, a large amount of building is projected both in business blocks and residences. This condition will naturally bring about a demand for mechanics' tools, which was conspicuous by its absence during the past year.

Manufacturers' Supplies: One of the best evidences of a steady improvement is in the fact that the demand from manufacturers for supplies of all descriptions is much better than it has been. Belting, Wood Pulleys, Packing and the numerous articles in this class are in very much better demand.

Bicycles: While it is not possible to use Bicycles at present with any degree of comfort, much interest is displayed by dealers in providing for the large demand which all feel is bound to come with the opening of the spring. The demand seems to be very largely for the better class of wheels that are offered at a reasonable price: next to them the cheap grades; while the high-priced wheels are neglected except by the class of riders who believe that nothing is good unless it is high in price. This class is, we believe, only a minority of the whole.

Financial discussions in Congress seems to have no appreciable effect on general business. Collections continue satisfactory, and every one is looking forward to 1895 as a year which, while it may not prove a banner year, will be such an improvement upon its predecessor that the "tales of woe" related in 1894 will have no place in its history.

We congratulate the trade upon the improved outlook and hope that all may have their full share of the prosperity. McINTOSH-HUNTINGTON CO.

THE BOSTON TRADE.

Although February business does not exceed that of the month previous, sales are reported as being ahead of last year. Traveling salesmen have been out with samples and quotations on such goods as are usually offered early in the season for future shipment, and the retailer has had the opportunity to decide where to place his orders to the best advantage. The receipt of orders for such goods as Mowers, Screens, Doors, etc., has been largely in excess and more satisfactory than last year, and although prices are lower there seems to be a better grade of goods than has ever been offered.

The larger jobbing houses have responded to the request of their customers and are placing a line of Bicycles in stock. The distribution of these goods to the consumer seems to be more satisfactory when carried on by the retail Hardware trade than by irresponsible agencies. High grade machines upon which full guarantee is given are now being offered by the retail trade as low as $60. This price shows a good margin to the retailer.

Prices generally remain about the same, and as trade increases there is little opportunity for further decline. Wire Nails are firm, and prediction that they will reach $1 base at factory before April 1st, is likely to be fulfilled. Barbed Wire has also advanced, and the low quotation named early in the season will not probably be made again.

The conditions are exceedingly favorable for a good spring trade, and if merchants only felt that the currency question was safe, their purchases would undoubtedly be larger, but possible dangers from this evil are making buyers exceedingly cautious and disinclined to increase their indebtedness beyond possible necessity. FRYE, PHIPPS & CO.

THE PHILADELPHIA TRADE.

The country is once more converging from its blanket of snow, and the increasing warmth and power of Old Sol reminds dealers it is time to examine their stocks, and lay in some spring goods for which there should be a fair demand this year. In 1894 purchases were very cautiously made, and there is reason to suppose stocks were generally cleaned out, so that replenishment should be the order of the day.

As a matter of fact this is the case. Door and Window Screens, Refrigerators, Ice Cream Freezers, Hoes and Forks are going out in quantities—everyone quoting the old belief that a cold winter makes a hot summer.

If there was ever any doubt as to Bicycles belonging to the Hardware business, it would seem to be effectually settled from the number now being sold. They are in great demand; orders are coming in from all sides, and as for ourselves, we are far behind on orders. Dealers who formerly would not handle bicycles now order them as they would strap hinges, and the very fact that a bicycle is worth some money is a strong incentive to a dealer whose business has been cut down greatly by low values, to handle them as one item at least which will count into money.

It stands to reason that a dealer who did an annual business in 1885 of $30,000, now, by reason of the decline in the value of Hardware, finds his business in 1895 one-third less, or $20,000, His expenses are probably greater—certainly no less—in dollars and cents, and he welcomes bicycles at $60 or $80 apiece as a pleasant change from nails 1½ cents, or strap hinges at about 2½ cents per pound.

As for Wire netting—the fool-killer has not been at work lately, and there seems to be a general effort on the part of everyone to sell it at cost or less. In the meantime the prudent man notes that one larger factory is already closed out, having sold all their product for '95, and the future points to a short supply if there is anything like a fair trade.

In the meantime Congress keeps on wrangling over free coinage, land issues, moonshine money, and still we hear the cry from the business men of the country, "How long, how long?" THE BIDDLE HARDWARE CO.

THE DAVENPORT TRADE

The weather has been the leading topic of conversation since our last letter, in which we referred to the severe storm of the 25th of January. This storm was followed by intensely cold weather; high winds prevailed, delaying railway trains, blocking the country roads, and in many ways interfering with commerce; hence the volume of trade, for the last fortnight, will be less than it was last year at this time. The same causes have retarded collections, which cannot be reported as good as usual.

Linseed Oil has again advanced; the slight advance in nails is maintained, and price of barb wire seems firmer, as the time approaches for fence building. The manufacturers' representatives are out in force and report satisfactory amount of sales.

Indications point to early spring trade and we all have the satisfaction of feeling that we cannot experience the decline in values this year, that occurred in 1894. A large importation of Canadian cartridges by a prominent western house has produced quite a sensation among ammunition dealers. The Hardware trade seems at sea regarding the

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. . THE MODELS OF . .

HUMBER CYCLES

In process of construction in our American factory have been designed since other cycle makers, European and American, completed their 1895 models and embrace improvements not to be found in other cycles manufactured in America. Stocks will be on exhibition and ready for delivery March 1st at our New York depot, **318 Broadway,** and at our agencies in all prominent cities in the United States. Cyclists before selecting their 1895 mounts should wait and see

THE AMERICAN BEESTON-HUMBERS,

Practically 1896 models, a year ahead of all others. Humbers are the standarp of quality with cyclists in all parts of the world and are the standard which all cycle makers aim to imitate. Unequalled in quality in any part of the world, they are leaders everywhere, on the Track, on the Road, in the Club. Second hand Humbers bring better price than any other make. Why?

Humber & Co., America, Limited, LONDON, PARIS, NEW YORK.

FACTORIES: BEESTON, ENG. WESTBORO, MASS.

AMERICAN OFFICES, 318 BROADWAY, N. Y.

new carriage bolt lists that have been issued of late, but it is likely that the list of Feburary 14th will be adopted.

Before this letter appears in print people will have celebrated Washington's Birthday; the Hardware business will be represented as usual with hatchets, and people will really believe that Father George was born on the 22nd day of February. It seems that the associates and biographers of the truth-telling patriot have been lacking in due regard for exactitude, for it appears now that Washington was born February 11th, 1732.

This change came about by an act of Parliament in 1751, decreeing that September 3rd, 1752, should be considered September 14th, 1752, by adding to the former eleven days. Just where or for what reason the birthday of Washington was changed from the 11th to the 22nd is not clear, but it is a fact that after the new style came into effect that Washington celebrated the 11th as his birthday, with one exception and that was on the 12th, as the 11th was Sunday.

The New York *Journal* of February 23, 1786, refers to news twelve days old in these words: "Boston, 13. Saturday last being the anniversary of the birthday of his excellency George Washington, Esq., the same was observed here by a discharge of cannon and other demonstrations of joy."

SICKELS, PRESTON & NUTTING CO.

THE ST. LOUIS TRADE.

The extreme cold and unpleasant weather that has prevailed all over the west and south during the last thirty days has somewhat curtailed the sales of general Hardware up to the present time, but we can soon expect a break-up, at which time light goods will commence to move. Such articles as have been shipped are seasonable goods, which retailers in the smaller places must have for early spring. Shovels, Spades and small agricultural tools are being sold quite freely. There has been a large demand for Poultry Netting so far this spring from all sections. Barbed Wire has stiffened a little in price, and the demand is fair. Wire Nails, owing to the factories being filled with orders, have advanced, and the demand is fully equal to last year from jobbers. Bicycles are being shipped even this early, and the trade in this line bids fair to be much larger than in 1894, and our jobbers are prepared for an increased business.

As soon as spring opens St. Louis looks for and will have a good business.

A. F. SHAPLEIGH HARDWARE CO.

THE MINNEAPOLIS TRADE.

There seems to be a little better feeling all around, although business has not improved materially. The annual meeting of the Minneapolis Hardware Association was held the 7th inst., and the following officers were elected: C. F. Stremel, president; J. Stoft, vice-president; F. R. Warner, treasurer; F. L. Stoddard, secretary. An excellent supper was served, and the local situation and the future of the association were discussed. All agreed that we had already accomplished a great deal in establishing an acquaintance among the members, as well as in smoothing over a great many difficulties that if left alone would have caused friction among various dealers in the same neighborhood. A determination was expressed to get all of the regular Hardware dealers into the Association, if possible.

The weather has not been quite as severe during the past week, and in consequence trade has been somewhat better.

W. K. MORISON & CO.

THE AUSTRALIAN TRADE.

The operations of the past month have not been marked by any noteworthy incidents. A retrospective glance at the year of 1894 is in many ways discouraging—in others, less so. As a result of the disasters of the preceding year business in all channels was materially restricted. Extreme caution was the guiding principle in all operations. Im-

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portations were limited strictly to actual requirements, and what little trade was done, comparatively speaking, was on the basis of safety. A number of dealers have passed out of existence, to the benefit of those who remain. The future, therefore, offers several features of encouragement. Stocks all around have been considerably diminished and are more on a par with the existing demand. Liabilities have also been decreased, and the business now done is of a more healthy and legitimate nature, people buying only what they actually need and paying for what they buy.

Purely trade failures have been surprisingly few, the losses on speculations in land and shares furnishing the causes in the large majority of general collapses.

A movement is on foot looking to the federation of the Australian Colonies, which are now split up into six separate provinces—Queensland, New South Wales, Victoria, South Australia, Western Australia and Tasmania. Australasia comprises these Colonies and New Zealand. The latter colony takes no part in the present consolidation scheme. As each colony possesses individual governments and diverse tariffs, it can readily be seen that the existing system has a restrictive effect on inter-colonial trade, beside being both cumbersome and costly.

The project, which is now assuming some definite shape, has been agitated more or less in a desultory way for many years past, and it really looks now as if it might soon become an accomplished fact.

McLEAN BROS. & RIGG, LTD,
Walter J. Travis, Mgr.
Nos. 52 and 54 New Street, New York.

As the season advances when hammocks will be again in use, any device connected with them will prove interesting, and nothing more so than a fly protector which will insure comfort and rest to their users. The Oriental Hammock Co., No. 501 Broadway, have placed on the market one that is simple, easily adjusted, and affording perfect security against flies, mosquitoes or any other insects. They will be pleased to quote terms, etc., to any who may be interested.

The second annual banquet of the Membership Club of the Philadelphia Hardware Association was given on the evening of Wednesday, February 13th, at Bache's Restaurant, Philadelphia. There were about fifty members present, and pleasant remarks at the close of the banquet were made by James H. Darnell, Aaron I. Sanson, Jr., James Young, William E. Andrews, H. A. Phillips and others.

At the annual meeting of the Stanley Works, New Britain, Conn., and No. 79 Chambers Street, New York, held February 19th, the following officers were re-elected: William H. Hart, president and treasurer; Peter McCartee, vice-president; L. H. Pease, secretary, and George P. Hart, assistant manager.

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

—MADE BY—

THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

BAKING JAPANS AND LACQUERS A SPECIALTY

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue description of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.

THE BEST OILER IN THE WORLD
Is the "PERFECT" POCKET OILER.



HALF SIZE

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other oilers. Be sure to get a "Perfect." Price, 25c. each. Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."

CUSHMAN & DENISON 172 9th Ave., N. Y.

Business Opportunity.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods.



Empire Desk Co., 406 Broadway, New York.

—MANUFACTURERS OF—

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

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The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)
2nd. It is the Best Razor Sharpener.
3rd. It gives the Smoothest Edge.
4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY
STROPINE CO., 62 Purchase St., Boston, Mass.
New York Office, David Eastman. Manager, 64 Reade St.

The firm of A. H. & E. W. Abbe, dealers in Hardware, New Britain, Conn., have made a handsome gift to the Young Men's Temperance Society of that city. The society's new building is nearing completion, and the contract with the builder says that all Hardware used in the building shall be paid for by the society. The firm of Abbe Brothers' has just presented the society, through the contractor, with all the Hardware necessary to equip the new building.

The Manufacturers Association of Kings and Queens Counties, banqueted in the Pouch Mansion, Brooklyn, on the evening of February 18th. Some two hundred guests were present. H. B. Haigh, president of the Association presided, and speeches were made by Hon. Jos. C. Hendrix, John H. De Forest, D.D., T. B. McLeod, D.D., and others.

Superintendent F. E. Lodetti, of the New York Tin Foil & Bottle Cap Co., Kingston, N. Y., has been granted a patent for a magazine for repeating firearms. Twelve cartridges can be inserted at once, instead of inserting individual cartridges, as by the ordinary method. The action is described as decidedly simple and no more cumbersome than the ordinary repeating firearms.

Does any reader of HARDWARE use an old-fashioned quill pen? Do you know of any one who uses them? Where are they made, and to what extent? Information upon these points will fill the aching void in one inquiring soul.

The store and stock belonging to W. Henry Hutchinson, a hardware merchant, Lynn, Mass., were completely destroyed by fire on February 13th. The stock was valued at $40,000 and the store at $10,000; insured for $30,000. Several firemen met death in fighting the flames, and the total loss to property will exceed $100,000.

At a business meeting of the stockholders of the Morris Hardware Co., Youngstown, Ohio, held on February 11th, the following officers and directors were elected: H. M. Garlick, president; W. J. Hitchcock, vice-president; W. J. Whiteworth, secretary and treasurer, and J. H. Morris, general manager. Directors: H. M. Garlick, W. J. Hitchcock, J. H. Morris, W. J. Whitworth, Hugh B. Wick, L. E. Cochran and J. L. Botsford.

Oliver Brothers, who were located so long at No. 118 Chambers Street, New York, have removed to No. 33 Chambers Street, where they have leased one-half of the first loft. Their quarters are commodious and attractive. The space has been divided into pleasant offices and a shipping room.

Herr Treitl, a Vienna Hardware merchant, who died recently at the age of ninety-one, left 800,000 florins of his fortune to the Vienna Academy of Science for the promotion of scientific research. He left a quarter of a million florins besides to charitable institutions.

William W. Supplee, president of the National Hardware Association recently formed at Cleveland, Ohio, is in Cleveland at present, attending a meeting of the executive committee of that association.

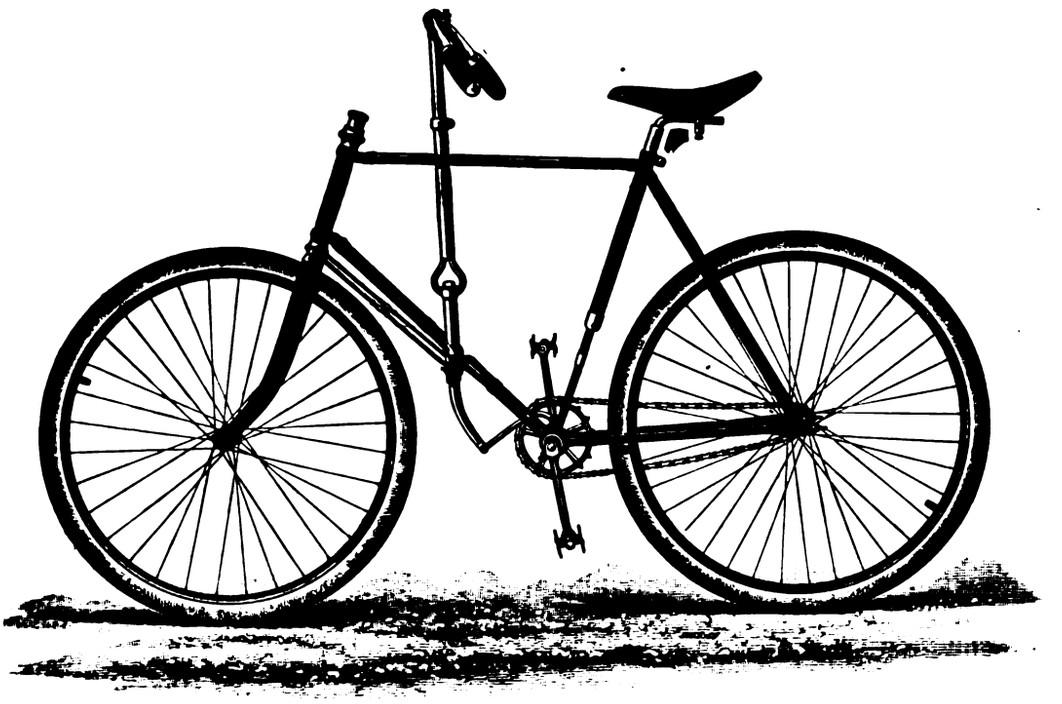


A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.
Write for Prices and Circulars.
THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

Factory For Sale.

FACTORY at Whitestone for sale (30 minutes from New York), with boilers, 15 horse-power engine, machinery, tools, etc. Price, $5,000; terms, $2,000 cash, balance on mortgage at 6 per cent., if desired. Located on L. I. R. R. and the Sound, affording cheap water freights. Very advantageous for any light manufacturing, such as metal work, novelties, hardware, etc. Lot 50x100, facing on two thoroughfares; three story brick building 30x90, with boiler and engine annex building. Address "Factory," P. O. Box 2718, New York City.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Situations Wanted.

WANTED—Position as Hardware salesman. Wholesale or retail. Have had many years' experience. Address J. Carpenter, Marion Avenue, Fordham, N. Y.

IN either retail or wholesale Hardware store, by a young married man, 31 years of age. Fifteen years' experience in the retail trade, also several years' experience in the agricultural implement and buggy business. Address J. P. N., Lock Box 63, Monticello, Ind.

We Challenge the Claim

That Ice Cream can be Frozen
Any more quickly
In any Freezer made
Than in our



LIGHTNING
. OR .
GEM
FREEZERS.



NORTH BROS. M'F'G CO.,

PHILADELPHIA, PA.

New York Agents, JOHN H. GRAHAM & CO., 113 Chambers St.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

Agency Wanted.

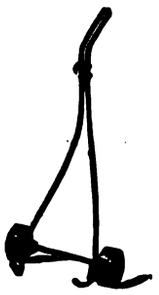
WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Side Line Wanted.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission. Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

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Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

Gouverneur, N. Y.

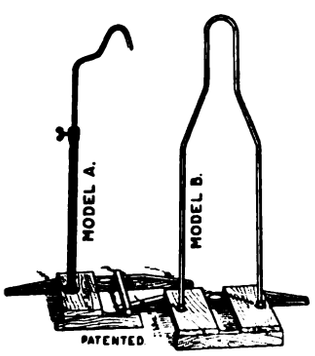
U. S. A.

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS.

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

NEW

GALVANIZED WATERING POTS.



Improved Spouts. **Deep Deflected Bottoms.**

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

Factory and Salesrooms, BALTIMORE, MD.

NEW YORK BRANCH
42 Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge.

For

1895

We respectfully solicit your orders for

Pieced Tin-ware,
Stamped Tin-ware,
Japanned Tin-ware,
Black Sheet Iron-ware,
Galvanized Sheet Iron-ware,
Enamelled Ware,

and guarantee satisfaction, both as to quality and prices.

Respectfully,

The Geuder & Paeschke Mfg. Co.,

Manufacturers,

St. Paul Ave. and 15th Street,

MILWAUKEE, WIS.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores

Aiken, S. C.—Clark O. Allen.
Aurora, Ill.—Leonard Moss.
Baker City, Ore.—D. A. Vance.
Barre, Mass.—C. P. Allen & Co.
Chatham, N. Y.—W. W. Gray.
Constantia, N. Y.—Clayton Winn.
Gainesville, Tex.—Schopmeyer & Schade.
Mars Hill, Me.—George Houghton.
Pioneer, Ohio.—The Pioneer Hardware Co.
Steubenville, Ohio.—E. R. Forbes.

Record of Changes.

Argentine, Kan.—W. F. Lucas will continue the Hardware business which was formerly conducted by Millard & Lucas.

Beaver, Pa.—George Q. Wolfe has disposed of his Hardware store to J. K. Simpson, of Verona, and will quit the business.

Bowesmont, N. D.—James Thomson & Son, Hardware and lumber, succeeded by Thomson Bros.

Cheboygan, Wis.—J. M. Darling has purchased Henry Muth's stock of Hardware, worth $3800. A large new stock will be put in, and a general Hardware business conducted.

Chicago, Ill.—Harry F. Scharbach, Hardware and stoves, reported sold out.

Colesburgh, Iowa.—Reinhart Thompson, stoves, style changed to Thompson & Smith.

Davis, Ill.—Mr. Granville, of Stockton, Ill., has purchased the Hardware store of Fred Kloster, and is now in possession.

Exira, Iowa.—D. E. Shauger has bought out the Hardware stock of J. G. Gates, and will continue the business, considerably enlarging the stock.

Gentry, Ark.—Parke & Woodworth, Hardware, have dissolved. The business will be carried on by J. E. Woodworth.

Gloversville, N. Y.—E. L. Durkee has purchased the Hardware establishment of J. P. Heacock & Co. on North Main Street. The business will be continued under the name of E. L. Durkee & Co.

Gower, Mo.—H. J. Myers & Co., Hardware, sold out to Osborn & Carter.

Granada, Minn.—Bondrye & Co., Hardware, reported as having been succeeded by F. R. Field.

Greenville, Ohio.—R. L. Smith has purchased the Hardware stock of C. J. Moore, deceased, and has opened his store in the Allen block.

Halifax, N. S.—The Hardware business of A. M. Bell and the P. Walsh Co. have been merged into one, and pending the completion of leases, will be carried on as at present.

Hope, Ark.—K. G. McRae, the prominent Hardware merchant, has sold his interest in the Wilson-McRae Hardware Co. to John P. Duffie, surviving partner.

Houghton, Mich.—The Carlton Hardware Co., of Red Jacket, have bought out the Hardware stock of Gilbert & Lang, and will place Ed. T. Emmons in charge.

Independence, Iowa.—R. R. Plane & Co., Hardware, succeeded by I. C. Plane.

Kellogg, Minn.—Joseph and John D. Bricher have purchased their brother's stock of Hardware and machinery, and will continue the business under the firm name of Bricher Bros.

Leigh, Neb.—Hans T. Peterson, Hardware and furniture, reported sold out.

Littleton, N. H.—Smith & Burnham have sold their stock of Hardware and tin business to Geo. Whittiker and Frank L. Dunlap.

Lyons, N. Y.—J. C. Myers, Hardware, announces his retirement from business. Chas. A. Noble will continue it.

Madison, Minn.—John L. Halverson, Hardware, succeeded by H. M. Hagestead.

Mayfield, Ky.—Lockridge & Wilson, Hardware, succeeded by W. S. Lockridge.

Mexia, Tex.—Adamson & Hancock, Hardware, succeeded by B. J. Hancock.

Nashua, N. H.—H. N. Crooks, Hardware, sold out.

Newberry, S. C.—Peoples & Johnson, Hardware, agricultural implements, etc., succeeded by William Johnson.

Plainfield, N. J.—Karl Zimmerman, Hardware, succeeded by F. S. Rose.

San Bernardino, Cal.—Geo. M. Cooley announces his temporary retirement from business. He has leased his store for two years to his brother, Frank L. Cooley, and Frank Keller, who have been connected with the house for eight years.

Shelby, Tex.—Voelkel & Schultz, Hardware, etc., succeed Ernest Voelkel.

Snyder, Tex.—B. Blankenship, Hardware, succeeded by Wasson, Smith & Co.

Tiffin, Ohio.—The firm of C. C. Park & Son, dealers in Hardware, which has been in existence for eight years, has dissolved by the retirement of the senior member, and the business will henceforth be conducted by H. G. Park and J. C. Park under the firm name Park Brothers.

Tioga, Pa.—William Kimball has purchased the Hardware store of Jacob Schieffelin, recently deceased.

Tuscumbia, Ala.—Stephenson & Raiford, Hardware, sold out to Conklin & Halsey.

Webster City, Iowa.—W. D. Rust has sold his interest in the Rust & Young Hardware store, to his partner.

Improvements and Removals

Americus, Ga.—H. J. Fite & Co., Hardware merchants, have removed to larger quarters on Cotton Street.

Binghamton, N. Y.—James E. Davis, the Main Street Hardware dealer, has rented one of the fine stores in the new brick block on Main Street, and will shortly remove his present stock from his present quarters into the new and more commodious store.

Danville, Ill.—J. R. Essex has removed his stock of Hardware from East Main Street to the south room of the new McFerren, Gregg & Platt building, on North Vermilion Street.

David City, Neb.—Fred Scott has moved his Hardware store to the north side of the square.

Edwards, N. Y.—Donaldson & Bancroft, Hardware merchants, have moved into their new store in Union block.

Freeport, Ill.—John P. Coffey, the Hardwareman, is adding new shelving in his store.

Greensburg, Pa.—C. C. Hileman, the West Otterman Street merchant, will, in the spring, occupy the Turney building on Main Street, with a Hardware store. A new front will be put into the building, and the interior will be thoroughly remodeled and improved.

Houston, Tex.—Joseph F. Meyer is adding two more stories to his Hardware establishment on Franklin Street.

Hyde Square, Mass.—Geo. A. Cowden has moved his Hardware store directly opposite his old location on Boylston Street.

Kennard, Ind.—Showalter & Bouslog contemplate erecting a Hardware store this spring.

Mazon, Ill.—Stevens & Stiffler have leased and moved their Hardware stock into the storeroom under the opera house.

Mitchell, S. Dak.—W. J. Healey is making extensive changes and improvements as to the interior of his Hardware store.

Savannah, Mo.—The Hardware firm of Somerville & Sumers have moved into the Beilman building.

Victor, Col.—The Tomkins Hardware Co. is preparing to move its stock here from Cripple Creek.

York, Neb.—J. V. Hyder is moving his Hardware store into the room formerly occupied by W. R. Furman in the Clark building.

Business Embarrassments.

Chicago, Ill.—William Auer, a retail dealer in Hardware at No. 4536 State Street, has made an assignment to William Leoff.

Memphis, Tenn.—Craig & Co., dealers in Hardware, seeds and agricultural implements, have made a partial assignment. The assets are worth $100,000. The liabilities are $65,000.

North East, Pa.—Bingham & Carpenter, Hardware dealers, have assigned.

Parkersburg, W. Va.—C. J. Bosberry & Son, Hardware, assigned. Liabilities, $15,000; assets, $10,000.

Watertown, Wis.—The Hardware business of E. A. Heck has been closed on a chattel mortgage for $800.

Westtown, N. Y.—George W. Houston, Hardware dealer, has assigned.

Burglaries in Hardware Stores.

Corsicana, Tex.—C. L. Fewel, revolvers.
Crab Orchard, Neb.—Connell Bros., $300.

Fires in Hardware Stores.

Brookfield, Mo.—The store of the Doggett Hardware Co. has been burned. Loss, $20,000; insurance, $13,700.

Davenport, Iowa.—The building occupied by McKinley & Cavin, Hardware dealers, has been burned. Loss, about $6000; partially insured.

Kaukauna, Wis.—Haas & Merbode, damaged by fire, at a loss of $4000; insured.

Leipsic, Ohio.—W. A. Kober's Hardware store has been burned. Loss, $3000.

Nelsonville, Ohio.—The Hardware store of Warren & Thompson has been destroyed by fire. Loss, $8000; insurance, $6000.

Piqua, Ohio.—The Hardware store of Edward Racine has been destroyed by fire.

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Mr. HARDWARE DEALER,

Dear Sir:—Avail yourself of our experience and advice.

BUY YOUR BICYCLES OF THE

Manufacturers direct. You'll get better goods for the same money. That's what you want. They'll give you less trouble and better satisfac tion.

The GRAND RAPIDS CYCLE CO.

Are selling dealers direct. They might be able to interest you, if you'll write them. They are the

Makers of those Bicycles Built for Business.

Address,

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The **Frictionless Falcon** Wins With **Big Ball Bear**ings



Little Ball Bearings

15 BALLS MEAN **75** POINTS OF CONTACT

9 BALLS MEAN ONLY **45** POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

"Birds of a Feather," etc.

A few of the leading Hardware Flock fly their colors under the

GOLD CRANK FALCON BANNER.

Albany Hardware and Iron Co., Albany, N. Y.
Schreiber, Conchar and Westphal Co., Dubuque, Iowa.
Janney, Semple Co., Minneapolis, Minn.
Beck & Corbitt Iron Co., St. Louis.
Gray Fall Company, Nashville, Tenn.
Geo. Tritch Hardware Company, Denver, Colo.
Geo. Wolf Alexander, San Francisco, Cal.

For Falcon Catalogues ADDRESS **YOST MFG. CO., TOLEDO, OHIO.**

TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.

Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS. - - - SEND FOR CATALOGUE.

Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds

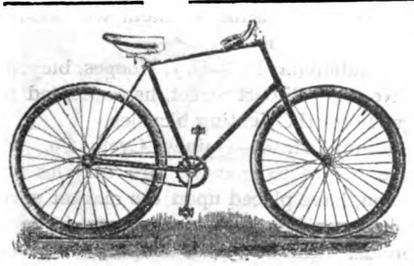


CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

90%

Of the Hardware Dealers who sell Bicycles make a success of this branch of their business by handling a **MEDIUM PRICED line** 28x28 Diamond and Drop, down to 24x24 Diamond and Drop.

THE CRAWFORD

Is exactly the line **YOU** want.

The Crawford Mfg. Co.,

Branch Houses:
70 & 72 Reade St., New York.
608 North 4th St., St. Louis.

Factory and Home Office,
Hagerstown, Md.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Asheville, N. C.—Brown Northrup Co., Hardware, will probably add a bicycle department, and will consider propositions from bicycle manufacturers, looking to accepting agency.

Cameron, Mo.—Harper & Munsell, Hardware, etc., new store opened. Will add bicycles.

Chattanooga, Tenn.—F. H. Woodworth & Co., Hardware, have added bicycles, and contemplate putting in a line of sporting goods. They invite correspondence with the trade.

Chicago, Ill.—Tire & Wheel Co., incorporated by Michael J. Sullivan, John C. Calais and Thurman D. Ellsbury, to manufacture tires and wheels. Capital stock, $25,000.

Denver, Col.—The telegraph companies of Denver are preparing to mount a corps of messenger boys on bicycles.

East Hampton, Conn.—The Climax Mfg. Co. are putting on the market improved spring wire bicycle saddles, which they claim "will stand more mileage and keep in better shape than other forms of saddles."

Fayetteville, N. C. — Huske Hardware House, Hardware, etc., will take up bicycles. Correspondence invited with manufacturers of bicycles and bicycle sundries.

Gastonia, N. C.—Long Bros., sewing machines, etc., will take up bicycles, and invite correspondence with manufacturers of bicycles and bicycle sundries.

Grand Rapids, Mich.— The Cycloid Bicycle Co. has been incorporated with George C. Fitch as president; Frank H. Simons, vice-president; Claude D. Freeman, secretary and treasurer, to manufacture bicycles for the trade. Capital stock, $20,000, of which $13,500 has been subscribed. The company have leased a three-story building at No. 488 South Division Street, which will be equipped as a factory.

Ionia, Mich.—J. E. Just, bicycles, opened a new store on February 15th. The actual management of the business will be in the hands of A. F. Clark, and a repair business will be done. The concern proposes not to sell bicycles as agents, but to buy them outright.

Lexington, N. C.—Redwine & Co., Hardware, will take up bicycles, and invite correspondence with manufacturers of bicycles and bicycle sundries.

New York, N. Y.— The Lenox Wheelmen have begun the publication of a monthly paper called *Club Gossip*. The first number is neat and newsy.

Pittsburg, Pa.—The Carnegie Iron & Steel Co. will commence the manufacture of nickel-steel for bicycles. The secretary of the company, Mr. Lovejoy, who is an enthusiastic cycler, is reported to be much interested in the outcome of certain experiments now being made.

Springfield, Mass.—M. D. Stebbins & Co., bicycles and sporting goods, new store opened. This firm will represent the Spalding Bicycle and sporting goods.

Syracuse, N. Y.—The Barnes Bicycle Co., recently reported incorporated, are getting their factory building in condition, and will commence manufacturing March 20th, employing about eighty men at first. Arthur H. Peck will be general superintendent.

Toledo, Ohio.—Al. Peter will commence the manufacture of bicycles; $20,000 worth of machinery has been purchased for this purpose, and the new plant will be run in connection with a sewing machine factory, of the Union Mfg. Co. Two hundred men are to be employed.

Washington, D. C.— Harry Jones, bicycles, will open new store corner Ninth and H Streets, and will handle the Crescent bicycle, manufactured by the Western Wheel Works.

Washington, D. C.—The Cyclone Combination Cycle Co., new office opened at No. 610 F Street, G. F. Smith and Paul Von Boeckman in charge.

Changes and Removals.

Lincoln, Neb. — Geo. A. Cramer, bicycles, etc., succeeded by Lincoln Cycle Co.

Philadelphia, Pa.—John T. Bailey & Co., sporting goods department, sold out to the Spaldings, and the stock will be transferred to the Chestnut Street store. Their cycling business will be continued, and they will carry a wheel made for themselves and a line of medium grade bicycles.

Washington, D. C.—Wm. T. Robertson & Co., No. 429 Tenth Street, announce the sale of the retail portion of their bicycle business to C. L. Palmer & Co., who have a store adjoining, at No. 431, which firm was recently reported in these columns.

Recent Fires.

Chicago, Ill.—Sieg & Walpole Mfg. Co., bicycles, damaged by water; fully insured.

Oswego, N. Y.—Oswego Bicycle factory, destroyed by fire. Total loss, $30,000,

Miscellaneous.

Boston, Mass.—The John P. Lovell Arms Co. find business prosperous for '95. Their factory at Fitchburg is being run fourteen hours a day, in order to meet the demand for the Lovell Diamond.

Boston, Mass.—The Waltham Mfg. Co., who began to make bicycles last season, are extending their business considerably for the coming year. V. Dugmore, an Englishman by birth, who has been doing business in Boston for a number of years, will sail for England shortly with twenty machines, and introduce them to the English trade. He will locate in London.

Brooklyn, N. Y.—Metcalf & Wallace, at No. 1196 Broadway, are offering half interest for sale in patent automatic bicycle, and bicycle alarm business.

Brooklyn, N. Y.—W. O. Tate, president of the Montauk Wheelmen, has taken the Humber agency, and after March 1st, will exhibit models of the American Humber at his office, corner of Flatbush Avenue and Prospect Place, Brooklyn.

Brooklyn, N. Y.—Before long our police force will be furnished with bicycles. During the coming riding season policemen in uniform will be mounted on cycles to guard the Prospect Park-Coney Island cycle path, and to keep horsemen from doing injury thereon and intruding on the rights of wheelmen.

Buffalo, N. Y.—The proprietors of the Globe Cycle Works will inaugurate an open twenty-five-mile road race, about a week after the Martin race, which takes place Decoration Day.

Chicago, Ill.—A Chicago alderman has introduced a resolution directing the corporation counsel to prepare an ordinance requiring that all bicycles carry a numbered license tag, and exacting a tax or licensing fee of $2 on wheels in use in the city.

Cincinnati, Ohio.—A new retailing company, the Norwood Bicycle Co., has been formed in this city by M. Levi, F. Gewert and Theo. Bruckner, for the purpose of handling the business of the Norwood Bicycle, made by the H. F. Schleuter Cycle Mfg. Co. The new company will handle the Norwood exclusively. The Pickering Hardware Co. will handle wheels at retail this season. It is their initial venture. They will sell the Columbia.

Hartford, Conn.—The League Cycle Co. make a statement of affairs, showing liabilities of $85,040.32, and assets of $24,906. The largest creditors are Billings & Spencer, of Hartford, $3500; Manhattan Rubber Co., $3000; Hugo Bitzmann, Philadelphia, Pa., $1120.

Jersey City, N. J.—The proposed wheel path from Jersey City to Newark, along the plank road, would prove very popular. It is said that it would cost less than the Coney Island path, and the wheelmen of that section say they stand ready to raise the money as soon as plans and estimates for the path are completed.

Kalamazoo, Mich.—The Kalamazoo Cycle Co. report business good, additional men having recently been employed, and the force is to be increased again shortly.

New York City, N. Y.—Harlem has a new cycling academy, W. S. Maltby, proprietor. It is on the first floor of a large building on 125th Street, near Seventh Avenue.

New York City, N. Y. — The Standard Watch Mfg. Co. intend to introduce their standard cyclometer into France. An instrument that will chronicle the distance covered in kilometres is being constructed, and several thousand of them will soon be ready for shipment.

Philadelphia, Pa.—D. J. Hoopes, bicycles, at No. 1217 Filbert Street, has accepted the agency for the Keating bicycles.

Quincy, Mass.—Quincy Cycle Co., who have begun to manufacture bicycles this season, have placed upon the market seven styles, varying in weight from 12 to 25 pounds. The weight of the ladies' wheel is 20 pounds. One of the features of their wheels is an adjustable handle bar.

Worcester, Mass.—Ramsdell & Rawson, No. 24 Pleasant Street, are making a wheel called the "Bay State," in three styles: Roadster, 21 pounds; racer, 16 pounds, and a ladies' wheel, 21 pounds.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

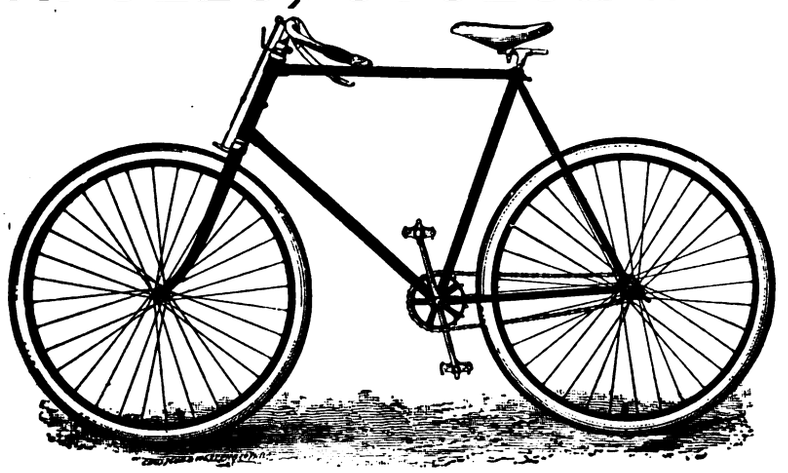
LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1¼, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

APOLLO, CYCLOE AND FAIRY BICYCLES



HIGH GRADE
For
$75.00,
List.

The "APOLLO." 28-inch Wheels, Ball Bearing Throughout; Morgan & Wright Tires. Weight, all on, 24 lbs.

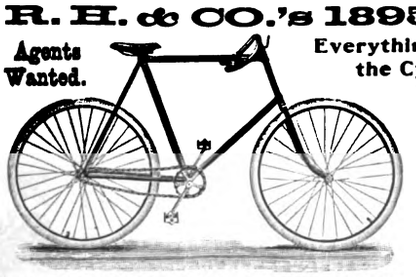
The "CYCLOE." (Boy's) 24 and 26-inch Wheels; All Ball Bearing.

The "FAIRY." (Girl's.) 24 and 26-inch Wheels; All Ball Bearing.

Send for Catalogue.
EDW. K. TRYON, JR. & CO.,
PHILADELPHIA.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs, 225 G St., Peoria, Ill.

The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
20 lbs., $90.00; 24 lbs., $80.00; Ladies', $85.00.
Improved on last year's at every point
AGENTS SOLICITED. LARGE DISCOUNT TO DEALERS.

A Bicycle

MADE FROM

Aluminum

is better than one made from STEEL

Two years' service has PROVEN this.

IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-mi-num is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. G. Co.,
Capital, $500,000.00 St. Louis, Mo.

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HELICAL PREMIERS, 1895.

American-made throughout. All constructed of our famous Helical Tubing.
Up to date in every particular. Lightest and Strongest.

All One Price, $100.

Roadster

28-inch wheels; 9½-inch head; 2 -inch diagonal; 43½-inch wheel base; swaged spokes; 24 and 32; wood rims; dust proof bearings; dtachable sprockets; T saddle post; gear 64, 68 or 72 as desired; 18-inch handle bar, raised or dropped; tread, 5½ inches. Weight, 18 to 20 lbs. **$100.** Brake and guards fitted if desired.

Racer

26-inch wheels, other details as above, lightest tires and saddle. Weight, 16 lbs. **$100.**

☞ **It was on a Helical Premier Racer that Wheeler beat Zimmerman two straight races. VERB SAP!**

Ladies'

26-inch wheels, double, drop-frame of Helical Tube. Weight, complete with chain and wheel guards brake and foot rests, 20 lbs. **$100.**

By the use of Helical Tubing we build a drop-frame that is as stiff and strong as a diamond. Ladies who wish to ride on equal terms with gentlemen, but who object to "bloomers" will do well to note this fact in choosing their 1895 mount.

Here's the Proof.

We claim that our Helical Tube is far stronger than weldless tube and hence more desirable for the frames of bicycles. Business claims, however, have not always been substantiated and as some of our competitors (all of whom are confined to the use of ordinary tubing) have made misstatements about Helical Tube, we have submitted to the highest recognized authority, the Government of the United States, bicycle frames and tubes constructed of Helical and the best grades of weldless for test. A copy of the official report will be found in our reading columns, page 55.

PREMIER CYCLE M'F'G. CO., New York.

1895 1895

THE Monarch

IS THE NAME OF THE BICYCLE THAT HEADS THE PROCESSION.

Weights are light, Prices right, and the Wheel—is "out of sight."

OUR 1895 PATTERNS ARE THE ACME OF MECHANICAL PERFECTION.



Designs Unequaled, Materials Unexcelled, And, for a HIGH GRADE BICYCLE

See them and be Convinced.

Our Prices are Unapproachable

Weights, 18 to 25 Pounds.

Prices, $85 and $100.

C. F. Guyon Company, Limited, Managers.

MONARCH CYCLE CO.,

Eastern Branch: 97 & 99 Reade Street, New York.

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SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. 632 Fourth Ave.,
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Sample stick by mail, 25 cents.



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ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

ANDRAE CYCLES

SHOW:

INVENTIVE GENIUS
PRACTICAL RESULTS
SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE
MILWAUKEE, WIS. U.S.A.

TUDOR IRON WORKS,

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Manufacturers of

ARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

DON'T BUY A BICYCLE

Until you see the '95

Puritan

TRADE MARK

It's a dandy.

Write for Catalogue.

Manufactured by **O. J. FAXON & CO.,**
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The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit coroespondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.



WE NEVER IMITATE.

OUR IDEAS OF BICYCLE SUNDRIES are ORIGINAL.

WE CALL YOUR SPECIAL ATTENTION TO OUR

NEW STAR LAMP BRACKETS, CHAMOIS LINED, NICKEL PLATED.

Easiest adjusting Lamp Bracket, and will not mar the frame of bicycle. The loop is made of steel wire with spring steel collar, which is chamois lined, and has adjustable thumb screw.

Weights of Head or Handle Bar Bracket, 1½ ounces.
Weights of Fork Bracket, 2 ounces.

Cut of Fork Lamp Bracket will appear in next issue of this paper.

Star Lamp Brackets, No. 1, for handle bar
Star Lamp Brackets, No. 2, for 1⅛ in. head,
Star Lamp Brackets, No. 3, for 1¼ in. head,
Star Lamp Brackets, No. 4, for front fork,
} 50 Cents Each.

Send for complete catalogue of Bridgeport Cyclometers, Lamp Brackets, etc. Sold by all dealers.

The Bridgeport Gun Implement Co., - 313½ Broadway, New York.



Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information. . . . . .

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"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
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Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

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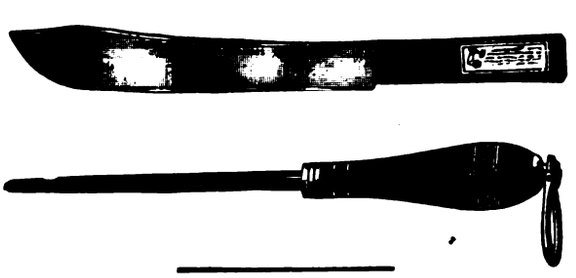
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SOLE AGENTS FOR



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And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.
It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade.

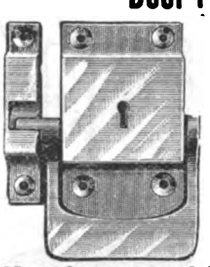
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S. F. HEATH CYCLE CO.,

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The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

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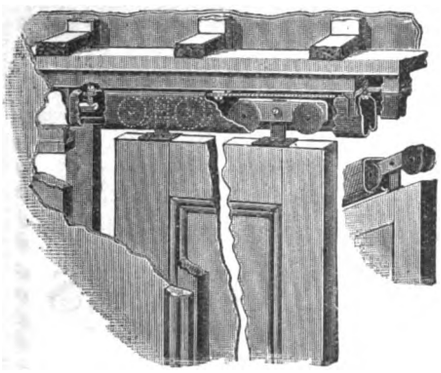
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Manufacturer of Refrigerator and Ice House Fasteners Hinges and Faucets.

Dull-season advertising must be considered in two ways: As advertising and insurance — insurance of business, insurance against loss of trade. Such insurance should be placed on the same business principles that dictate the placing of fire and life insurance. Pick out the strongest companies — the best papers.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

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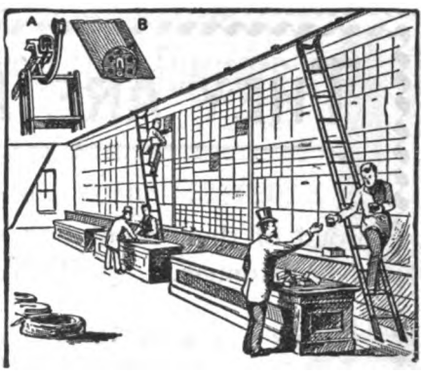
Parlor, Barn and Fire Door Hangers

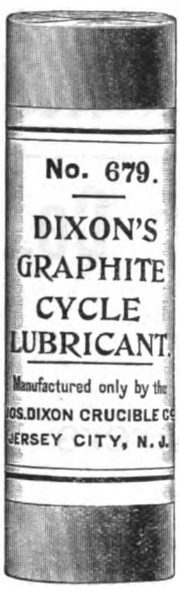
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We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

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TINNERS' HARDWARE & ROOFERS' SUPPLIES.

Largest stock, greatest variety. Prices lower than ever.

Write us before buying elsewhere

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Lucas Lamps for 1895



Toura.

RECOGNIZED by the trade AS the BEST.

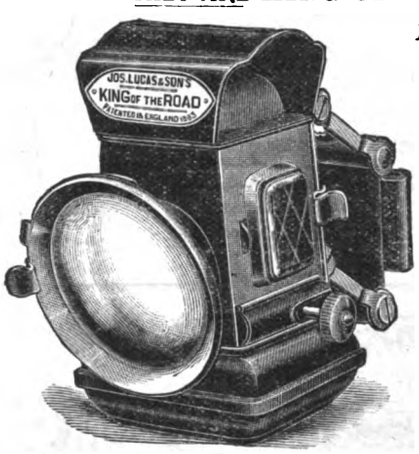
Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*

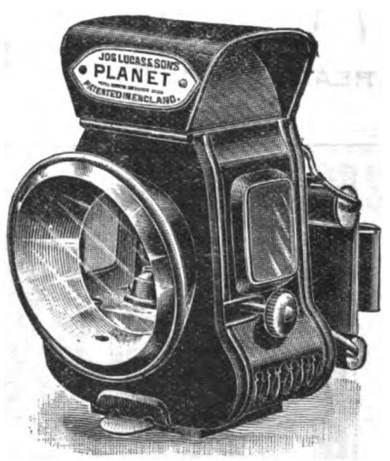
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CAPTAIN, MIDGET,

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King of the Road, 000.



Planet.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

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Sole Agents, John H. Graham & Co.,

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Why, Good Live Hardwaremen, proud of their reputation with their townsfolks, and anxious to add to their list of friends and customers. THEY ALL WANT OUR

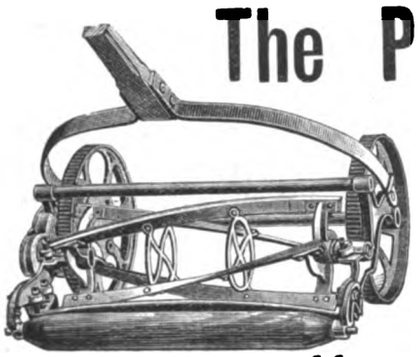
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They Are
THE PENNSYLVANIA,
THE CONTINENTAL,
THE NEW QUAKER CITY,
THE GREAT AMERICAN,
THE RAPID TRANSIT,
THE NEW DEPARTURE,

All Leading Jobbers Sell Them.
Write for Catalogue and Prices.

SUPPLEE HARDWARE CO.,
Philadelphia, Pa.

The Philadelphia Lawn Mower Co.,



3107 and 3109 Chestnut Street,
PHILADELPHIA, PA.
Patentees and Manufacturers
—OF—
The Genuine "PHILADELPHIA" Lawn Mower.
Unexcelled in Quality, Durability and Simplicity.
SEND FOR PRICES AND DISCOUNT.

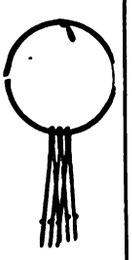
"Self-Closing" Tomato Vine Supports.



READY FOR USE

A boon to every gardener.
A profitable article for every Hardwareman. Sells on sight.
Can be left in the ground all winter if you are "too tired" to take them in. $12 per gross.
For further particulars write

The **LEWIS MFG. CO.,**
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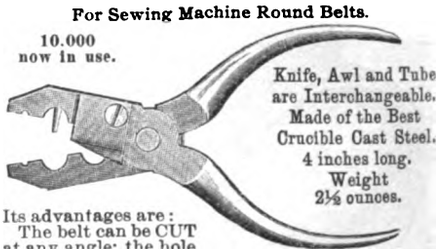


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ENTREKIN'S COMBINED CUTTER PUNCH AND PLYER.

For Sewing Machine Round Belts.

10,000 now in use.



Knife, Awl and Tube are Interchangeable. Made of the Best Crucible Cast Steel. 4 inches long. Weight 2½ ounces.

Its advantages are: The belt can be CUT at any angle; the hole can be PUNCHED any distance from the END, to suit different length hooks.

This well-known Punch is now made with either the Awl or Hollow Tube.

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Sample sent by mail on receipt of $1.00 (Postal Note or 2c. Stamps). Extra Knives 10c., Awl or Tube 15c. each.

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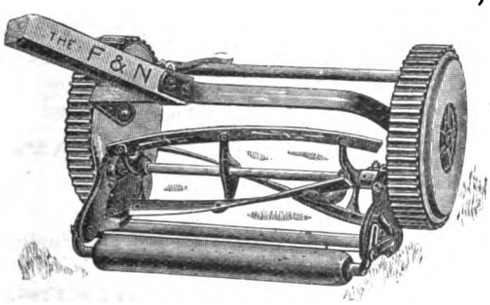
CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

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Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
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OUR LINE OF

Post-Hole Diggers

Comprises (6) of the **Best known styles** on the market.

PRICES GREATLY REDUCED.

LAWN RAKES.
GARDEN RAKES.
GARDEN WEEDERS.
POST HOLE DIGGERS.
LAWN SPRINKLERS.
CURRY COMBS.
CAN OPENERS.



GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES

AND ALL KINDS OF

FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

ASK FOR THEIR

DIAMOND FORKS & RAKES.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for it.

SPRINGFIELD, MASS.



General or local Ladies or gents. **Agents. $75** a week. Exclusive territory. The Rapid Dish Washer. Washes all the dishes for a family in one minute. Washes, rinses and dries them without wetting the hands. You push the button, the machine does the rest. Bright, polished dishes, and cheerful wives. No scalded fingers, no oiled hands or clothing. No broken dishes, no muss. Cheap, durable, warranted. Circulars free.

W. P. HARRISON & CO., Clerk No. 12, Columbus, O.

SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

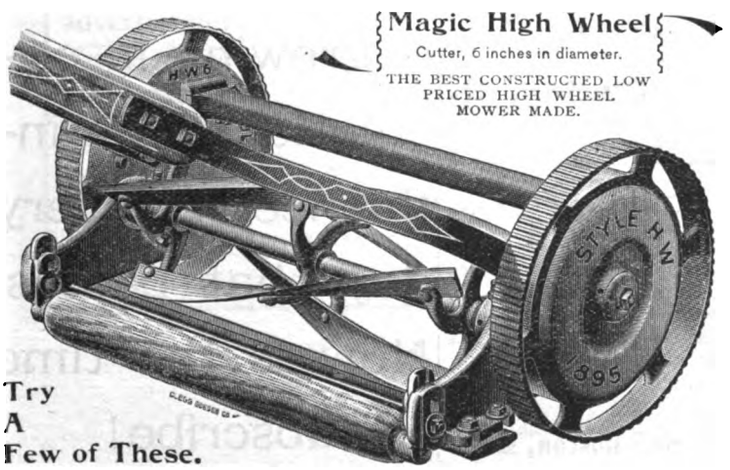
COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS

Magic High Wheel
Cutter, 6 inches in diameter.
THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

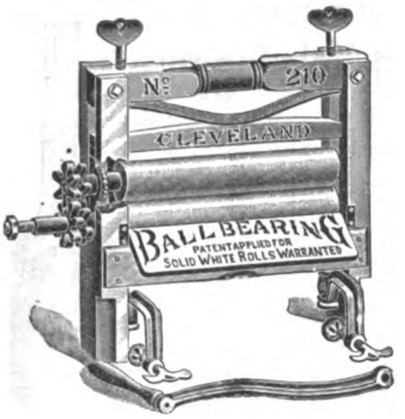
OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters from D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,
Richmond, Ind. U. S. A.

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No More Broken Backs!

THE BALL BEARING

"CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

Write for our Illustrated Catalogue.

THE PEERLESS MFG. CO., Cleveland, Ohio.

Also manufacturers of "TRIANGLE" BICYCLES.



Every Machine Guaranteed to Give Satisfaction.

The BOSS and ELI... WASHERS.

BIG MONEY TO LIVE DEALERS.

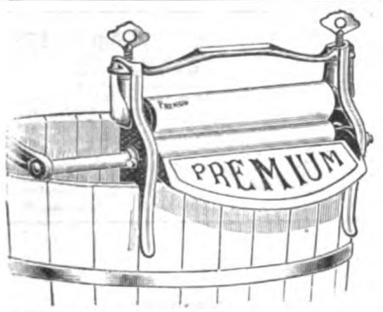
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—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.





There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,

Direct Representatives,

15 Murray Street, NEW YORK.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



Holds any pipe. Fits any flue. Absolutely soot and spark proof. Impossible for pipe to work loose, Neat, durable, inexpensive.

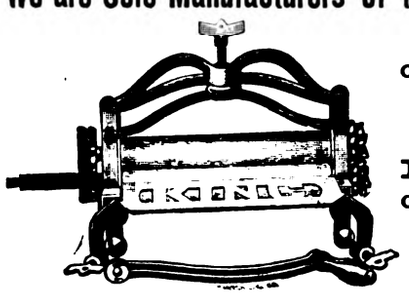
Liberal Discount to the trade.

One dealer in towns of 1,000 or less.

Write for Prices,

J. K. RANDLES, 309 MAINE ST., Quincy, Ill.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the ERIE and KING Wringers given to one dealer in each town.

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THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

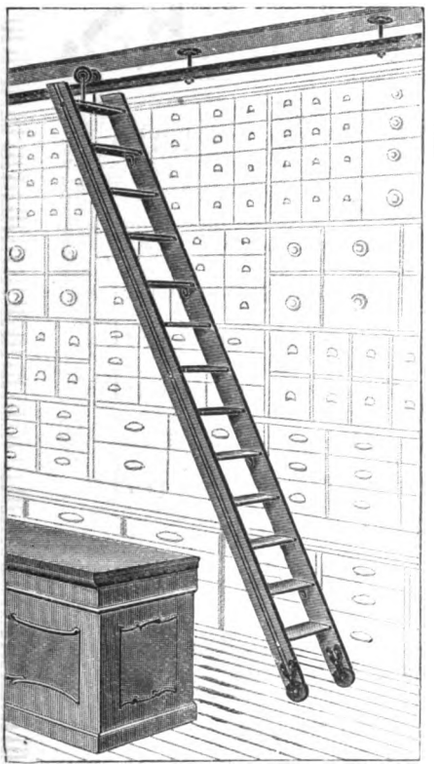
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is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS

THE BEST

For GAS or GASOLINE STOVES.

Easy to Clean.

LONG WOOD HANDLES.

BUY NO OTHER.



Wood or Nickel Handle.

Ask for the AMERICAN: BEST SELLER.

BUY NO OTHER.



JUST OUT

BEST CLIP MADE.

Send for Samples.

Griswold Mfg. Co.,

Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF

IRON AND STEEL WIRE

OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

An Advertisement

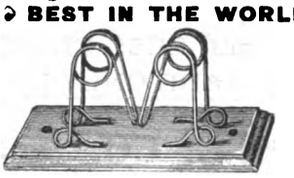
If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up.**

BEST IN THE WORLD.



"WIRE HANGERS."

12 STYLES FOR

Ladies and Gents Garments.

WRITE FOR PRICES TO THE

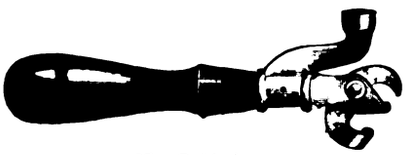
BARBER-KOENIG MFG. CO.,

No. 115 North Vine St., Hazleton, Pa.



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The Columbia TACK PULLERS.



No. 2, ¼ size.

TAKING UP CARPETS is hard enough work under the best conditions, and no Hardware Dealer can afford to supply his customers with any appliance that is not a help. These goods received the Highest Awards at Chicago and San Francisco---gold medals for merit---are strong, durable and efficient. The jaws are fine steel, properly tempered, firmly set in selected wood handles, enameled. They are made to "pull" and they do it. No. 1 costs $1 a doz. net. No. 2 $1.50 a doz. net; less in gross lots. Your Jobber may have them. If not address us.

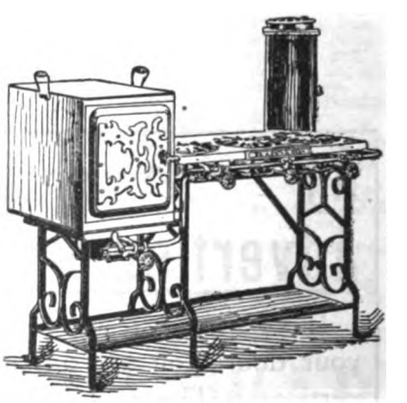


No. 1, ¼ size.

The American Specialty Co., Hartford, Conn.



Facts of Interest to the Public.



Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the "NEW GEM" we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

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BARSTOW STOVE CO, No. 228 Water Street, New York, and No. 56 Union Street, Boston, agents for the New England States, New York State and Long Island.
THE MT. PENN STOVE WORKS, No. 111 N. Second Street, Philadelphia, and Reading, Pa., agents for Eastern Penna., Northern New Jersey and Delaware.
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A. BALDWIN & CO., LTD., New Orleans, agents for Louisiana.
E. H. HUENEFELD, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
HOME STOVE CO., Indianapolis, agents for Indiana.
THE SCHAAB PUFF STOVE CO., St. Louis, agents for Missouri.
MESSRS. STANDART BROS., Detroit, Mich., agents for Michigan.
ROBERT ROBINSON & SON, No. 105 Lake Street, Chicago, agents for Illinois and portions of Iowa.
J. P. LINDEMANN & SONS, Milwaukee, Wis, agents for Wisconsin, Minnesota, North and South Dakota and Montana.
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No Disagreeable Odor. No Ashes. Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Nickel Finish.
Height, 33½ inches. Spread of Base, 13½ inches.

THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps." THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

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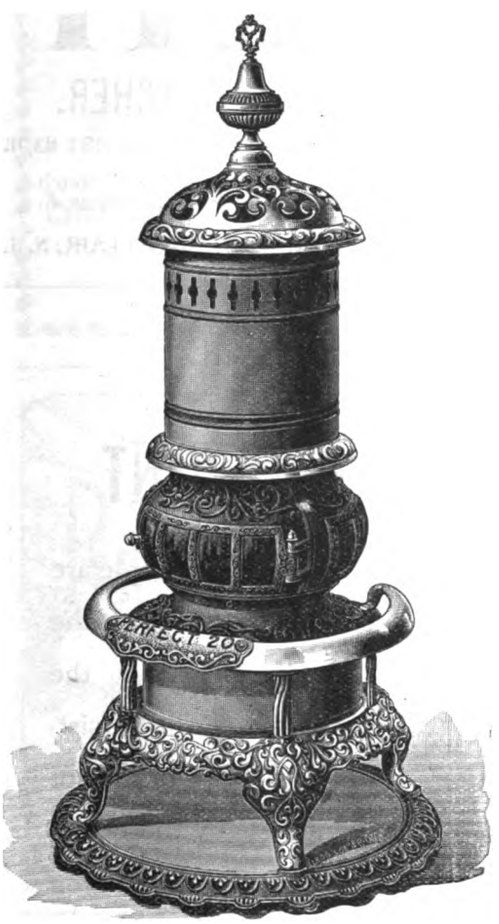
EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 68 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner. Russia Iron with Nickel Lamp and Trimmings.
Height, 33 inches. Spread of Feet, 11¾ inches.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

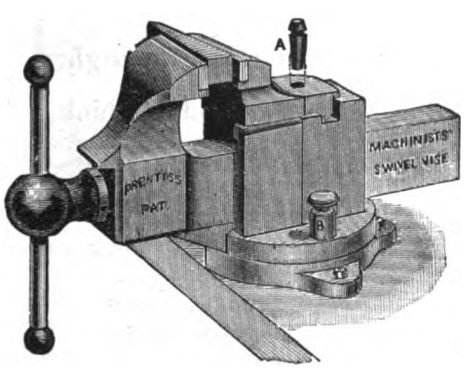
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J. H. CORT & SON,

41-51 Adams St, 138-154 Water St., **Brooklyn, N. Y.**



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

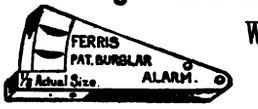
Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long. Weight, 3 ounces.



ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

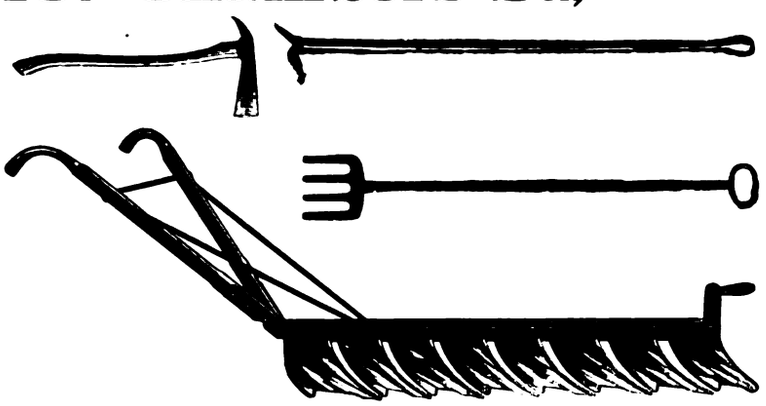
Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

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Joseph A. Bogardus,

167 Chambers St., New York City.



SOLE AGENT FOR

WM. T. WOOD & CO.'S

Celebrated Ice Tools,

AND JOBBER IN

Hardware & Agricultural Implements.

Send for Price Lists.

ADAPTED FOR SALE IN HARDWARE STORES



Send for CATALOGUE and mention "HARDWARE."

ANNUNCIATORS. BELLS. BATTERIES. AND ALL SUPPLIES FOR HOUSE WORK.

CATALOGUES AND QUOTATIONS ON APPLICATION.

PARTRICK & CARTER CO. No 125 So Second St. MANUFACTURERS PHILADELPHIA.

ESTABLISHED 1867.

THE

GRIP

WIRE STRETCHER.

THE BEST, STRONGEST AND CHEAPEST MADE.

Is the only stretcher that will stretch chicken wire. Write for prices to

W. C. HELLER & CO., MONTCLAIR, N. J.

WOOD MANTELS.



PERSISTENT

Enterprising people are beginning to learn the value of advertising the year round. The persistency of those who are not intimidated by the cry of "dull times," but keep their names ever before the public, will surely place them on the right side in the end. Think over the persistent advertisers you know.

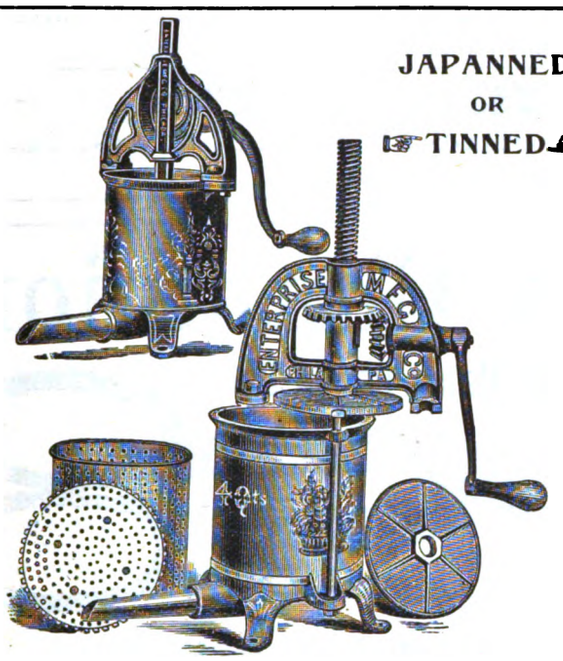
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OF THE WORLD.

SEND FOR CATALOGUE. FREE.

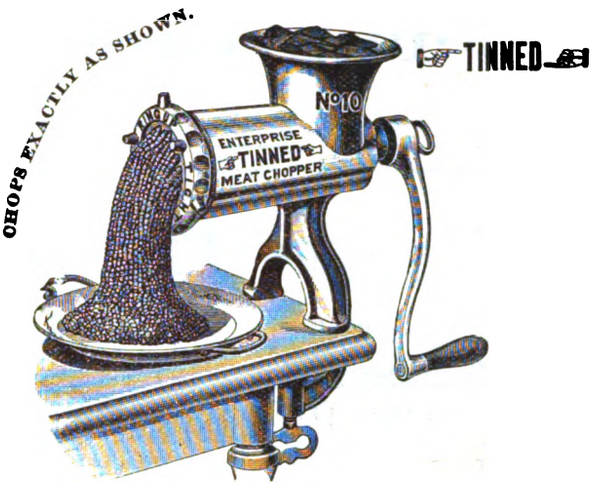


JAPANNED OR TINNED

Sausage Stuffer and Lard Press.

8 Styles, 3 Sizes, 2, 4 & 8 Qts.

We make the "ENTERPRISE" MEAT CHOPPERS for Hand and Power in 16 Sizes Ranging in Price from $2.00 to $275.00.



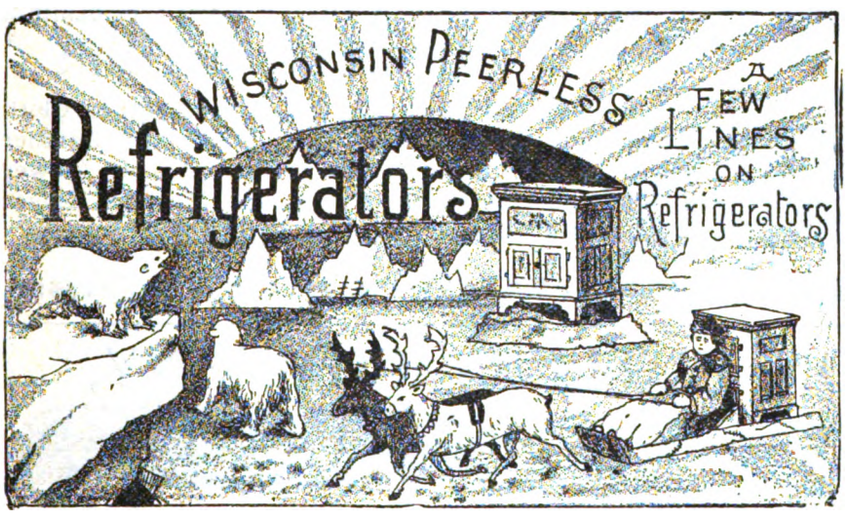
Family Size, No. 10, - $3.00.

THE ENTERPRISE M'F'G CO. of PA.,

THIRD & DAUPHIN STREETS,

PHILADELPHIA, PA.

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.



FROM DEALERS LOOKING FOR THE

Best Refrigerator Made

We solicit an opportunity of presenting the merits of our

"WISCONSIN PEERLESS."

Mineral Wool Filling. Absolutely cleansable. More and better talking points than all other makes combined. Absolute guarantee. Seventh season. For Catalogue address

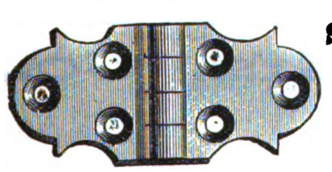
The Wisconsin Refrigerator Co., Eau Claire, Wis.

New York Office: Ross & Fuller Am'n, 38 Chambers St.

New England Office: 175 Hanover St., Boston, Mass.

Philadelphia Office: Reeves & Smiley, 129 N. 2nd St.

Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

Simple,

Durable,

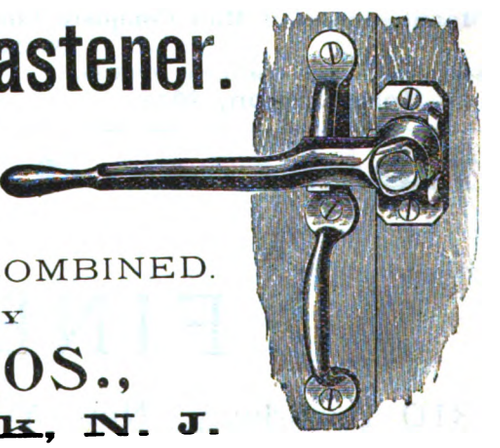
Practical

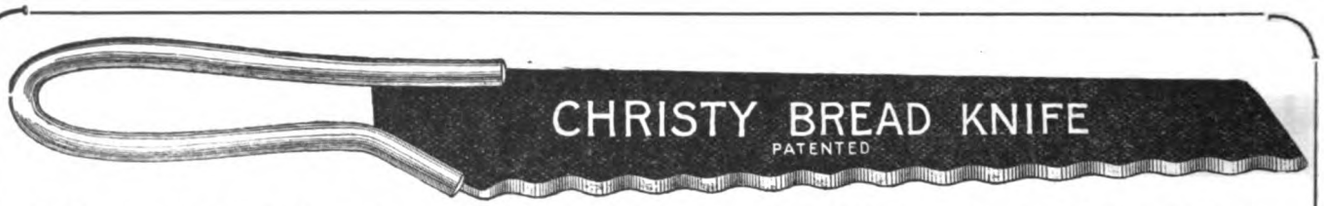
HANDLE and WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

Newark, N. J.





Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

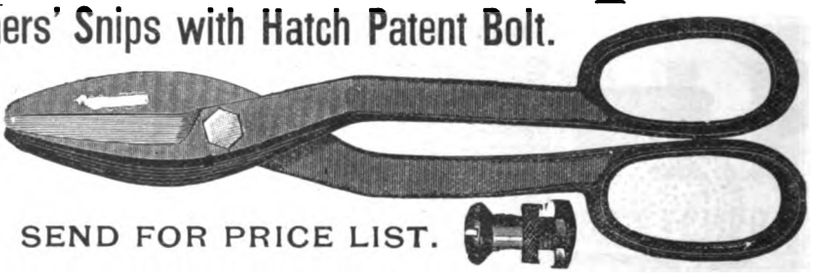


Hatch's Champion

Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

Tinners' Snips with Hatch Patent Bolt.

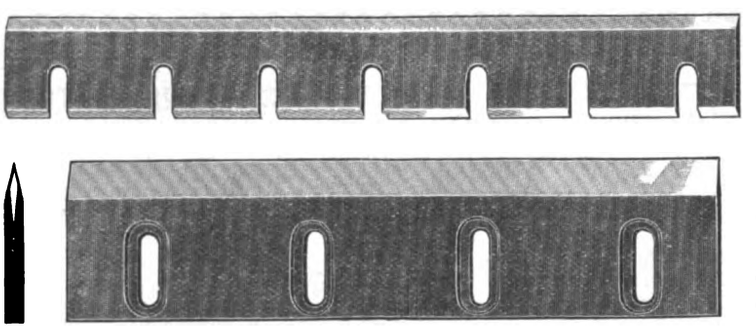
THE BEST SNIP IN THE MARKET.



SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
97 Chambers St., New York. Buchanan, Mich.



PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office, Northampton, Mass.
New York Office and Salesroom, 122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York. Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.



The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

ELLIOTT W. LANGLEY.

Manufacturer of

Razors and Pocket Knives,

74 Reade Street, New York.

A GREAT LEADER for you is WORTHLY'S PATENT **"SLOW FEED,"** $1.60, 25-lb. Manger.



10,000 in use Send for Book of Discount on these, and for list of Hay Racks, &c.

BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

IF IN WANT OF

Copper Tacks

OR

Brass Shoe Nails,

ADDRESS

Rome Tack and Nail Co.,
ROME, N. Y

Novelty Cutlery Co.,

Box 197, CANTON, OHIO.



—MANUFACTURERS OF—

Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

Always address to Box number 197.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.

CAUTION

TO ALL PURCHASERS OF THE

WELL KNOWN **HEINISCH** -BRAND OF-

Shears, Trimmers, Scissors, Tinners' Snips, &c.

ALL GOODS OF OUR MANUFACTURE ARE STAMPED

R. HEINISCH
NEWARK, N.J.

- OR -

R. HEINISCH
NEWARK, N.J.
U.S.A.

NO OTHERS ARE GENUINE.

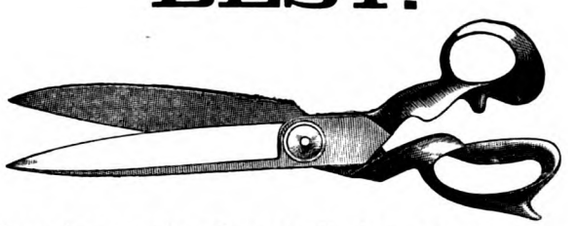
NEW YORK OFFICE AND SALESROOM,
90 CHAMBERS ST.

R. HEINISCH'S SONS CO,
NEWARK, N. J., U.S.A.

THE WISS SHEARS AND SCISSORS.

Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

FIND A READY SALE.

Write for Illustrated Catalogue of August, 1893, and discount.

J. WISS & SONS, NEWARK, N. J.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:—

HARTFORD, CONN. NORWICH, CONN. TAUNTON, MASS.



W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated "*W. Butcher*" Files and Edge Tools and "*Wade & Butcher*" Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any Infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets. New York.

Established 1836. **ALFRED FIELD & CO.,**

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

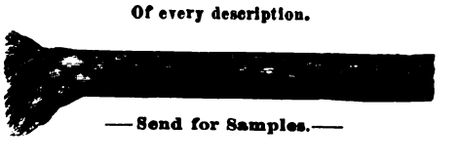
JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
L. HUGONIOT TISSOT,	FINE FRENCH PLYERS AND OTHER SMALL TOOLS.
ISAAC GREAVES,	SHEEP AND GARDEN SHEARS
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., JONES & CO

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

J. H. Sternbergh & Son, READING, PENNA.

MANUFACTURERS OF

Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

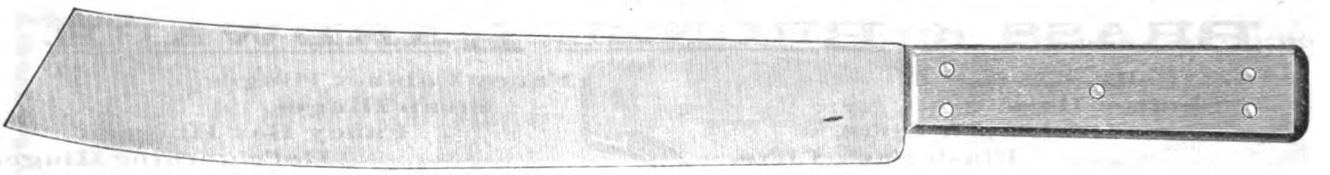
All of the highest grade of excellence.

If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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Most Substantial CHEESE KNIFE Made.



No. 1530. COCOBOLO SCALE TANG. Five (5) Rivet Handle.

PRICE RIGHT. TAKE NO OTHER.

MANUFACTURERS OF . . .
ALL KINDS OF . . . .
CUTLERY . . . . . .
EXCEPT POCKET . . .

GOODELL COMPANY,
ANTRIM, N. H.

AGENTS: { HENRY KEIDEL & CO., 45 Hanover Street, Baltimore.
ALFORD & BERKELE CO., 77 Chambers Street, New York City.

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER



Patent applied for

A perfect instrument for sharpening scissors.
No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute.
Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c

EASTMAN & CO, 64 Reade St., New York

Finest Quality Pocket Cutlery

TRADE UN-X-LD MARK.

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.

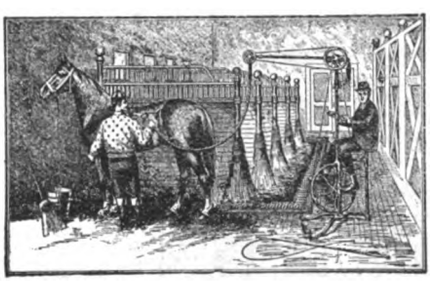


Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

Marten Doscher,
DEPOT,
88 Chambers St., New York.
EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c.

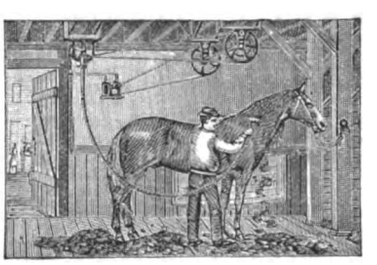


BICYCLE CLIPPER.

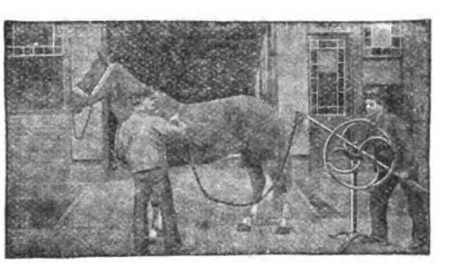
HEADQUARTERS FOR

Horse Clipping Machines.

Greatest Variety of Power-Horse Clipping Machines in the World.



Poke Clipping Machine, Operated by any Kind of Power.



Gillette's Celebrated Hand Power Machine.

Over 2,700 in use—over 200 in New York City in constant operation. Introduced in the leading Horse Car Stables, Express Companies, Breweries, Dry Goods Houses, Etc., in the United States and foreign countries. Send for Catalogue illustrating our Machines, prices, Etc.

Gillette Clipping Machine Co., 201 East 23d Street, NEW YORK.

First Prize—Highest Medal of Award—World's Fair Chicago, 1893.

FAITH
—IN—
ADVERTISING
contributes to success, without faith you will be blind to good results.
Advertise in
HARDWARE.

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FRANKLIN BRASS & BRONZE CO.,

111 Chambers Street, New York.

MANUFACTURERS OF

BRASS & BRONZE HARDWARE.

Drawer Pulls,
Shutter Bars,
Hook Sash Lifts,
Flush Sash Lifts,
Push Plates,
Door Pulls,
Plate Escutcheons,
Cabinet Escutcheons,
Box and Chest Corners,
Corner Plates,
Hinge Plates,
Mirror Plates,
Refrigerator Catches,
Padlock Hasps,



Fancy Cabinet Hinges,
Strap Hinges,
Fancy Box Hinges,
Refrigerator Hinges,
Water Closet Seat Hinges,
Fire Screen Hinges,
Shutter Butts,
Loose Pin Butts,
Parliament Butts,
Moulding Hooks,
S Hooks
Stair Buttons,
Door Numbers,
Brackets, Mending Strap

SEND FOR CATALOGUE.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron.
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Mancer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards

"OHIO" LEVER CUTTER

1894 PATTERN, PRICE, $5.00.



SIMPLE,
DURABLE,
HANDSOME
and CHEAP.

It has an eleven-inch Oil-Tempered Sickle Knife which can be adjusted to take up all wear, thus giving a perfect shear cut at all times.

Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

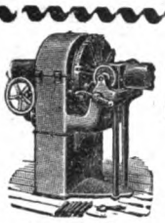
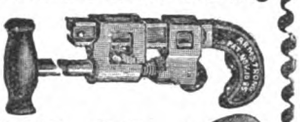
Send for Catalogue and Quotations on our complete line of Ensilage and Fodder Cutters.

THE SILVER MFG. CO.,
SALEM, OHIO.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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ARMSTRONG MANUFACTURING CO.

BRIDGEPORT, CONN.

PIPE THREADING and CUTTING OFF MACHINES.

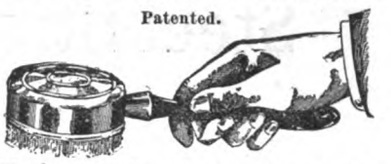
STOCKS, DIES, WRENCHES, VISES (Hinged), PIPE CUTTERS, CLAMP DOGS, Etc., Etc.

Our Catalogue will interest you.

NEW YORK OFFICE: 139 CENTRE ST.

THE BERRY CLOTHES SPRINKLER

Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.



Woodman's Patent Ticket Punches & Speed Indicators,

——Manufactured by the——

R. WOODMAN MFG. & SUPPLY CO.,

63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—





The Best to Buy,
The Best to Sell,
And the Best to Use,
—: IS :—

The Crystal Valve Oil Can.

The Handsomest, Best and most reliable on the market.

WRITE FOR CIRCULARS AND PRICES.

STAR MANUFACTURING CO., CANTON, OHIO



WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
WASHBURN & MOEN MFG. CO.'S Wire Rope.
BOSTON BELTING CO.'S Rubber Goods.
ALEXANDER BROS'. Oak Tanned Belting.
JARECKI MFG. CO.'S Steam Fittings, etc.
PEET VALVE CO.'S Valves.
ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
Black Diamond Files.
RUSSELL & ERWIN'S Screws.
P. & F. CORBIN'S Builders' Hardware.
LANDERS, FRARY & CLARK'S Table Cutlery.
GENEVA TOOL CO.'S Agricultural Tools.
SAMUEL WINSLOW SKATE MFG. CO.'S Ice Skates.

WRITE US FOR PRICES.

THE W. BINGHAM CO.,

146, 148 & 150 Water St., 97 & 99 Superior St., **Cleveland, Ohio.**

Power Presses, Foot Presses, Screw Presses,

HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

THE WATERBURY FARREL FOUNDRY AND MACHINE COMPANY,
Waterbury, Connecticut, U. S. A.

WITH THIS NEW

Garden Cultivator



A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL

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McKINNEY MFG. CO., Allegheny, Pa.

Steel Strap and T Hinges,

Steel Butts all finishes.

NONE BETTER.

Write for new Catalogue and Discounts.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
- DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
- A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
- AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.

CONSOLIDATED 1901.

- LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
- TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1864.
- OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS.
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 330 MARKET STREET, PHILADELPHIA, PA.

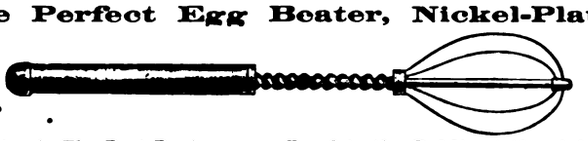
Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.



Stew Pans, Glazed, White or Black.

The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.





Regular Jug, size ¼ to 6 gal.

Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by **F. H. WEEKS, Akron, Ohio.**

NATIONAL LEAD COMPANY,

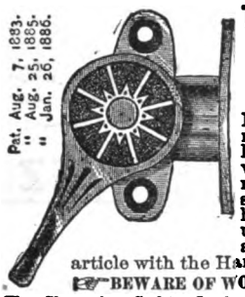
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.



Eight Tumblers. Key Turning Both Ways.

Size ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

SEND FOR CATALOGUE.

AMES SWORD CO., Chicopee, Mass.

H. J. Brainerd, Agent, 97 Chambers St., New York.



"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere.
They are **Safest and Best.**

WAREHOUSES:

New York, 96 & 98 Reade St. **Philadelphia,** 514 Commerce St. **Chicago,** 78 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



NEW ENGLAND SPECIALTY CO., - NORTH EASTON, MASS.

Manufacturers of

Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.





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"Excellent Cream!"

Cold Facts.....

The Improved

WHITE MOUNTAIN FREEZER

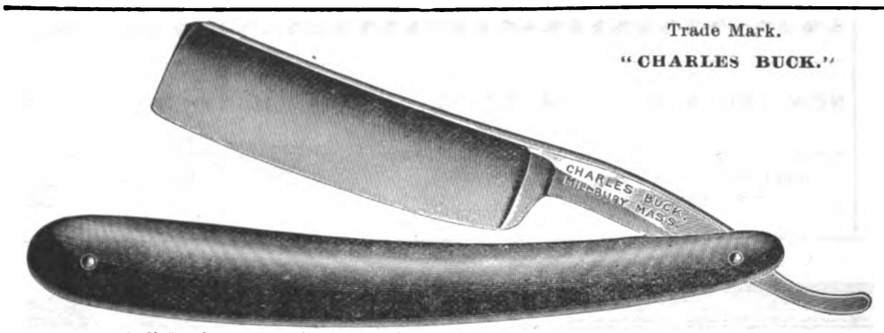
Makes

"Excellent Cream" in 4 minutes.

POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

Sold by Leading Jobbers everywhere.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N.H.



Razors of all Grades and Styles always in Stock. Also Razor Blanks and Handles. We Guarantee that these goods are made strictly by hand from beginning to end. Manufactured by

MILLBURY RAZOR COMPANY. Millbury, Mass.. TOWER & LYON, 95 Chambers St., New York. Selling Agents.

Catalogue and Prices on Application.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

PATENT KANTOPEN HOOKS AND EYES.

Black or white. 3½ cents per card of two dozen each, or $14.00 per cwt., loose in bulk. Sizes 2, 3, 4.

Alfred Shrimpton & Sons, Ltd.,

273 Church Street, NEW YORK.

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.

Estimates given on Wire Specialties.

THE NOVELTY WIRE GOODS CO,

New Haven, Conn.

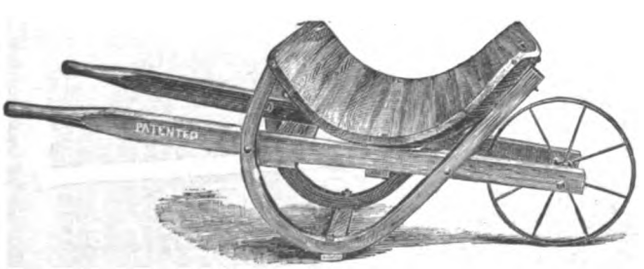
ARCHITECTS' & CARPENTERS' TRANSIT,



C. F. RICHARDSON & SON

35 MAIN STREET, ATHOL, MASS.

Manufacturers of Iron Levels and Carpenters' and Architect's Transits.



Wheelbarrows

of all Styles, of all Grades, of all Sizes, at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₱ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c

CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90

PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10

SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....25&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%

SHELLS LOADED—
Standard List July 19, 1890 40&10&10%

GUN WADS—₱ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....8 to..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8....1.50..P.E., 7.....1.50
} 20&2%

SHOT—
Drop Shot, sizes smaller than 8, 25-lb bags ₱ bag.....$1.10
Drop Shot, sizes smaller than 8, 5-lb bags, ₱ bag.....$ .30
Drop Shot, 8 and larger sizes, 25-lb bags, ₱ bag.....$1.35
Drop Shot, 8 and larger sizes, 5-lb bags, ₱ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₱ bag.....$1 35
Buck and Chilled Shot, 5-lb bags, ₱ bag.....$ .35
Dust Shot, 25-lb bags, ₱ bag....$1.75
Dust Shot, 5-lb bags, ₱ b.g....$ .40

POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.35
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 kg lb lots 10% discount.
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B.. 1.50

CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12

KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb..... 2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb..... 3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb..... 1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb..... 3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb..... 1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼..... 1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb..... 1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb..... 1 50

HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black..... 1.70
Drum, equal in bulk to 10 lb, best black..... 8.25
Drum, equal in bulk to 50 lb, best black..... 41.00
Drum, equal in bulk to 100 lb, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₱ lb 10c.....1f@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9¼c
American "Horse-Shoe"..9¾@10¼c

ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association....70&10&10%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%

HOLLOW AUGERS—
Ives.....
French, Swift & Co.....
Douglass'.....
} 35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%

EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₱ doz. $60.....40%
Swan's.....40%
Steer's No 1, $36; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive..... 20&10&10%

GIMLET BITS—
Shepardson Diamond ₱ doz. $1.25.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₱ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%

BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%

SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—
Sewing, Common.....60%
Should. Peg ₱ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₱ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₱ doz., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₱ doz. $7.50; No. 20, ₱ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₱ doz. 9.00
Yankee.....₱ doz. 10.00
Wide Bit.....₱ doz. 10.00
Rockaway.....₱ doz. 10 00
Dock.....₱ doz. 15.00
Firemen's.....₱ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₱ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₱ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₱ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%

HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—
Straight Spring balances.....40%
Common 24 lb.....₱ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₱ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....20%

Bells—
HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Kell & Son Trip Gongs...50%

DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....4 ?
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....25&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....20&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%

COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War 3 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₱ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₱ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.60 ₱ doz.....25%
Millers Falls ₱ doz. $4.50.....25%
Wm. Johnson's:
7½x2½x1, ₱ doz. $11.00.....50
9x2½x1, ₱ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₱ doz. $15 50%
Ives' ₱ doz. $20.00....60&5@60&10%

Blind Adjusters—
Domestic.....₱ doz. $3....33⅓%
Excelsior..₱ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₱ set $1.00.....20%
Austin & Eddy ₱ gro.....$9.00
Forhans Improved Star Tenon ₱ gro. $1.00.....25%
Mackerell's, ₱ doz. $2.00.....60%
Merriman's Brass Lever ₱ gr. $15.00
Merriman's Iron Lever ₱ gr...$9.00
Security Gravity ₱ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₱ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.

CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%

TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '83.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.....80%
Eagle Phila., list Oct. 16, '84.....80%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....80%

STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%

MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00. 33⅓%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$6.75..... 50%
Snell's. Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 ....25%

Bow Pins—
Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—
Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@30%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@50%
Common Ball American.....$1.15
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....0@70&75%

Amidon's:
Barker's Imp'd Plain...75&10@30%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@30%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.35
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 18, 26, 30, 37.....70&10&5%
Ball Braces, net. ₱ doz. $1.12@$1.35
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Kell & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%

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Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....35&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....35&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....35%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....30&30&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint.....33⅓&10%
Cast Brass, Francis Keil & Son...40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....75%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronsed Wrought Butts.....60⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American.....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No. 2 $1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka.....₩ doz. $2.50.....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00.....25%
Star.....₩ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00.....40%
Domestic, ₩ doz. $2.50.....50%
Champion, ₩ doz. $2.00.....60%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ₩ gro $7.00.....50%
Kohler's Cyclone.....₩ doz. 75c
Kohler's Lightning.....₩ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's.....30%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....₩ doz. $36.00
Gold Medal.....₩ doz. $27.00
Prize.....₩ doz. $27.00
Premier.....₩ doz. $27.00
Superior.....₩ doz. $27.00
Cosmopolitan.....₩ doz. $27.00
Furniture Protector, Japanned.....₩ doz. $24.00
Furniture Protector, Nickel.....₩ doz. $27.00
Inter Ocean.....₩ doz. $27.00
Hall.....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....₩ doz. $21.00
Domestic, No. 2.....₩ doz. $22.00
Excelsior.....₩ doz. $28.00
Garland.....₩ doz. $18.00
Grand Rapids, Jap...₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned.....₩ doz. $24.00
Improved Parlor Queen Nickeled.....₩ doz. $27.00
Parlor Queen.....₩ doz. $24.00
Standard.....₩ doz. $34.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent (Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Closet Catches.....70&10%
Screen Door Latches.....70%
Screen Door Catches.....50&10%
Screen Door Catches, Bronsed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%
COW TIES—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-2, ₩ pair, $1.05.....60&10%
Trace, 6½-10-3, ₩ pair 95c.....60%
Trace, 7-10-2, ₩ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....₩ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to $
Buck Bros.....30%
C. E. Jennings & Co.....20%
Jennings & Griffin Mfg. Co. Drawing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....20%
Morse's Adjustable, each $7.00 20@20&5%
Danbury.....each $6.00..30@30&5%
Syracuse, Bals Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$3.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....30%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's...70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&5&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....2.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....2.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horses)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
2d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips.....66⅔&5@70%

Cockeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.35&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75¢
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Alberteon Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 45@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....₩ doz $10.00

Corn Huskers—
Blair's Adjustable.....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel.....₩ gr 4.50
Perkins Boss:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.85, ₩ gro. $8.00; R, ₩ gro. $30.00.
Wrist Supporters.....₩ doz. 75c
Mittens.....₩ doz. $1.50
Ashtabula.....₩ gro. $3.50
Brinkerhoffs.....₩ gro. $15.00
Buckeye.....₩ gro. $4.00
Cleveland.....₩ gro. $7.50
Johnson's.....₩ gro. $6.50
Universal.....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%

Dixon's
Eclipse.....₩ gro. $3.75
Emerald.....₩ gro. 5.00
Oriole.....₩ gro. 5.00
Rainbow.....₩ gro. 2.81
Solid.....₩ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓%
F. E. Kohler & Co.'s Magic Oscillating.....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5
$1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4½ 5
$1.25 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.25, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....65%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00
SPARK COIL—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50
GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893.....33⅓%

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1893.....10%
Star (Coil), list April 19, 1893.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ₩ doz, $18.00; No. 2, $15.00.....20%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 75@75&10%
Merrill & Wilder.....60%
Douglass.....75@75&10%
Watrous.....20%
L. & I. J. White.....30&5%
Bradley's.....35%
Adjustable Handle.....20@25%
Wilkinson's Folding.....35@35&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Cranage.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....30&5%
Breast, Millers Falls.....35%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@30&5%
Ratchet, Ingersoll's.....35%
Ratchet, Packer's.....65%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@30%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%
TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover.....₩ doz $3.00..60%
National, ₩ doz $4.50.....33⅓%
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.35
Rival (Standard Co.).....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $2.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral.....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers—
Morgan Steam, No. 3. No. 5. ₩ doz. $4.20 $6.00.....40%

Emery—

	No. 4 to No. 54 46 gr.	150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2½c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case	6c	½c	5c
10 lb cans less than 10.	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ₩ gro.....$4.50
No. 6, ₩ gro.....$7.20

Escutcheons—
Door Lock, same dia. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....35%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...60%
IXL., 1st quality, Cork Lined...80%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓&
Starr....60%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....20%
Lane's ₩ doz. $36.00....25%
Enterprise Molasses Gates....20%

Fibreware—
Standrad Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1	No 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3 .5	$4.00
Dairy Pails, 14 qt. $3.33.. $4 00		4.00	
Fire Pails, No. 2, 14 qt.	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5.50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.50	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8¼ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3.50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8¼ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (p essed)	3.50	4.00	4.50
Spittoons, 10 Ind 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c....66⅔&
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagl....60&10&10@70%
New American....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&5010%
IMPORTED—
Moss & Gamble, List April 1, 1888..15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—
Seed's Water Filters...$3 doz. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (60c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, ₩ doz. $12.00....25&5%
Crown Fluters....30%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers ₩ doz....$31.00
Keyless M. & I. Co. ₩ doz....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....₩ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
₩ doz.	$3.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ doz.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gas Irons—
Bolgiano's New Hot Air Perfection Gas Iron....₩ doz. $18.00

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ doz $3.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Grindstones—
Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....₩ doz. $6.50

Halters—
Covert Saddlery Works, List 1892.
Rope, ½ in. Jute....
Rope, ½ in. Hemp....
Web and Rope Halters....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓&
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....25%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
Fayette R. Plumb....
} 40&10@50&10%
Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ doz....
Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 ℔....₩ ℔ 45c
3 to 5 ℔....₩ ℔ 35c
Over 5 ℔....₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos	0	1	2	3	4
Per doz	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES.—
Japanned....60&10%
Bronzed....60&10@66⅔&
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—
Sargent's List....66⅔&
Bank Door....60&10%
Plain B. M....66⅔&
Bar....60&10%
Push Plates, Sargent's List....66⅔&
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔&
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
Worcester Leather Cap'd Chisel.25%
File, assorted....₩ gr 2.75
Auger, assorted....₩ gr 5.00
Auger, large....₩ gr 7.00
} 30@
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....₩ set $1.35
Pat. Auger, Swan's....₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 25c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c.60%
Champion....15c
Gwinner's Sensible....33⅓&

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track.55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader.50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1½, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10 @25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20 &10&10%
Stearns' Challenge..25&10@25&10&10%
Rider & Wooster, No. 1, 66⅔c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $8.00....40&10%
Moore's Baggage Car Door....33⅓&
Moore's Elevator....33⅓&
Moore's Railroad....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00....30%

Hay and Straw Knives—
Lightning Mfrs' price ₩ doz $18.00, 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle..₩ doz $11.50@$13.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ doz $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....60&10&10%
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔&
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....20%
Acme....30%
J. S....35&10%
Empire and Crown....20%
Stover Ideal ₩ gro....$13.00
New Idea ₩ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....20%
Oxford....20%
Barker's Double Acting...25@35&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔&

GATE HINGES—
Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible ₩ doz $5.20, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Keil's Superior....20%
Common Sense..₩ doz pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ doz $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&5%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 3, 5, 40 and 50....30%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....60%
Buffalo....30%
Clark's Genuine Pattern....60%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c....30%
Planter's Cotton, &c....30%
Warren Hoe....65%
Magic....₩ doz $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $3.00, 30%
Scuffle....30%

EYE—
D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.35
Hill's Tongs....₩ doz $3.00
Hill's Rings...₩ doz bxs $1.15@$1.00
Perfect Rings..₩ doz bxs $1.60@$1.70
Perfect Ringers...₩ doz $3.15@$3.35
Blair's Hog Ringer ₩ doz $3.25@$3.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers....₩ doz $3.00
Champion Rings, Double, ₩ doz $3.35
Brown's Ringers....₩ doz $3.00
Brown's Rings....₩ doz $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....40@40&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother, Hartford Silver-Plate Co. 40&5%
William Rogers Mfg. Co. 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list. 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....80&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....⅌ doz $1.25
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c.
See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1896.....60%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1896.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....60%
Belt.....80&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ⅌ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Buch.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes-Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	..15%
American	9¾	9¾	9¾	9¾	9¾	..net
Ausable	28c	26c	25c	24c	23c.	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	28c	28c	25c	24c	23c.	40&10&5&5&5%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	28c	21c	20c	19c	18c	..25%
Northw't'n	25c	23c	23c	21c	20c.	35@35&5%
A. U	25c	23c	23c	21c	21c.	35&10@33⅓&5%
C. B. K	25c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	28c	26c	25c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	28c	21c	20c	19c	18c	..25%
Western	28c	21c	20c	19c	18c	..50%
Empire Bronsed	13@14c ⅌ ℔					

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$3.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....⅌ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%
Ice Picks—
See Ice Chippers.
Irons—
ee Sad Irons.
Jack Screws—
See Screws.
Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18¼	
Dozen..	$65.34	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23.40	$27.00	$32.40	
Each...	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co.'s Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....⅌ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....⅌ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ⅌ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ⅌ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ⅌ doz. $4.50; 14 in. ⅌ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$3.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '86.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....⅌ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....⅌ doz $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....80%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ⅌ doz. $12.00
Gibbs' Hustler.....net ⅌ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ⅌ doz. $6.00 40&5@40&10%
Wood No. 2.....⅌ doz. $2.00, 50%
Wood, Common....⅌ doz. $1.70@1.75
Dunlap's Improved ⅌ doz. $3.75..20%
Jennings' Star.....⅌ doz. $2.25
The Boss.....⅌ doz. $2.50
Dean's, Nos. 1, ⅌ doz. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....⅌ doz $15.00, 40%
Berger Bros. ⅌ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....⅌ doz $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....23c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ⅌ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ⅌ doz.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '88.....66⅔%
Reading Hdw. Co. List Feb. 2, '88. 55&5%
Sargent & Co., list July, '94...50&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delts Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 68.....40%
Dietz, Nos. 86 to 98.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan. 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....30%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Delts.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 1-0 line.....65%
Nos. 225, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 71 line.....80%
No. 427.....60%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....25&10%
Lignumvitæ.....25&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....50&10%

Meat Cutters—
Dixon's.....⅌ doz 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ⅌ doz.....40%

Nos.		100	150
		$15.00	$18.00

Hales Pattern ⅌ doz.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each	$5	$7	$10	$25	$50	$60

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$3.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ⅌ doz...45@45&25%

Nos.	1	2	3
	$22.00	$30.00	$40.00

Home No. 1..⅌ doz $28.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	8	
	$50	$75	$80	$225	..20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ⅌ doz $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.]
Grand Crossing Tack Co. List:
Wire Brads.....80&25%
Wire Nails.....80&2½%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronze.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, ⅌ doz $9.00
Curtiss Hammer.....⅌ doz $9.00
Giant, No. 1.....⅌ doz $18.00, 10%
Giant, No. 2.....⅌ doz $15.00, 10%
Pelican.....⅌ doz $9.00, 25%
Lightning.....⅌ doz $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....⅌ gr. $4.00@$4.25
Round.....⅌ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point⅌ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....25%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ⅌ doz., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.30c
Cold Pressed C. & T.....4.80c
In packages of 100 ℔. add 1-10c ⅌ ℔ net; in packages less than 100 ℔. add ½c ⅌ ℔, net.
Tapped.....35%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ⅌ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....⅌ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ⅌ gross.....$7.50
Indian Pond Red End, No. 1, ⅌ gross.....7.00
Indian Pond Red End, No 2, ⅌ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ⅌ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to 1x1¾ to 2¾ to ⅝ at back, ⅛ to 5-16 edge ⅌ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ⅌ ℔.....70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ⅌ doz.....$12.00
6x2 " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ⅌ ℔.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ⅌ ℔.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ⅌ ℔.....3.50
No. 1, 3 to 12x1¾ to 2¾x¾ to 1¼, ⅌ ℔.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4⅝x1 to 1¼x⅝ to ⅜ ⅌ ℔.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓&.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .08
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x⅛ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¼ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .06
Small Axe, about 3x2x¼ to 1 ₩ lb..... .10
Special Axe, 3½x1¼x¼ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ lb..... .05
Large, 8¼ to 9x3½x2, weight about 3 lb, ₩ lb..... .05
Small table, 9 to 9½x3½x2, weight about 4 lb, ₩ lb..... .06
Large Table, 10x4x2 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanizing, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander..... 25%
N. Y. B. & P. Co., 1846-Para... 40&10%
N. Y. B. & P. Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ lb 30c. 35&5%
MISCELLANEOUS -
American Packing.....10c@11c ₩ lb
Russian Packing.....14c ₩ lb
Italian Packing .....13c@14c ₩ lb
Cotton Packing.....15c@17c ₩ lb
Jute.....7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1888.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ doz 4.00
Improved Bay State.₩ ds..$7@$30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
72.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $6.00..... 20&10%
Victor, ₩ doz $15.00..... 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 30%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round...₩ gro. $3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.37
Dixon's Carpenters'₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding..... 50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 20%
Miscellaneous..... 25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.25 to $
Buck Bros..... 30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & L. J. White..... 25%
Stanley Rule & Level Co..... 50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓&5
Hall's X American Pliers..... 20%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co.50@50&10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters..... 20%
Swiss Pliers..... 25%
Stubs'..... 20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5½ in. ₩ doz. $2.00; 6½ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔&5

Plumbs and Levels—
Millers Falls..... 33⅓&5
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8..... 50%
Cook's..... 40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels.... .....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight..... 30%
Plumb Bobs..... 40%
Wm. Johnson's..... 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline..... 20&10%
Prestoline Paste..... 33⅓&5

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt..₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.00, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@$4.00 net
Seymour Smith & Son's, Rockdale, 10%
E. S. Lee & Co.'s Pruning Tools.40%
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@$4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $13.00, 20%
Dunlap's Saw and Chisel....₩ doz $3.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. I, $15.00 ₩ doz. 40&5%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&5%

Pulleys—
Axle..... 60%
Dumb Waiter..... 60%
Ceiling..... 60&10%
Hot House..... 66⅔&5
Upright..... 60&10&10%
Screw..... 60&10&10%
Clothes Line..... 55@60&10%
Awning..... 60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 30%
Moore's Sash. Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@60&5%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $13.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers..... 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 33, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 108, Fig. 448, 3½ in. Lift Pump..... $12.00
No. 128, Fig. 510, 3 in. Lift Pump..... $7.00
No. 131, Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $30.00
No. 280 Fig. 404, Imperial Cyclone Pump..... $18 00
No. 265, Fig. 512, Cyclone Tank Force Pump..... $ 7 00
No. 267, Fig. 483, Geyser Tank Force Pump..... $17.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16 00
No. 302, Fig. 477, Spray Pump complete..... $11.50
No. 320, Fig. 492, Bucket Spray Pump..... $5.50
No. 331, Fig 547, Knapsack Spray Pump..... $1 .00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz..90@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₩ doz.....$1.44, 55%
Tinners' Hollow Punches, P. S & W. Co..... 20&5%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓&5
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ¾ 1
Per 100 feet.....$2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft.....7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet. $2.15 2.70 3.25...net
Terry's Steel Rail, ₩ foot.....4½c
Victor Track Rail, 7c ₩ foot...50&5%
Carrier Steel Rail, ₩ foot.....4½c
Moore's Wrought Steel.....35&10%

Rakes—
Cast Steel, Association goods.....70%
Cast Steel, outside goods.....70&5%
Malleable.....70@70&5%
Oneida Lawn.....$6.00 doz. net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 2. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teet . . $2.40; No. 2 $2.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Hawdust..... $1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 20%
Wostenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric..... List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Kell & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887..... ....60&10%
Copper..... 50@10%
Coopers..... 60&10%
Block..... 60&10%
Carriage..... 60&10%
Hame..... 60&10%
Belt "Bettina" with Burrs....50&5%
Burrs..... 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs..... 60&10%

Rivet Sets—
Regular list..... 55&5 %

Rods—
Stair, Brass..... 30%
Stair, Black Walnut..... ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger ₩ lb 7¾c
Manilla, ⅜..... ₩ lb 8¼c
Manilla, ¼ and 5-16..... ₩ lb 8¾c
Sisal, 7-16 and larger..... ₩ lb 8¾c
Sisal, ⅜..... ₩ lb 8¼c
Sisal, ¼ and 5-16..... ₩ lb 8¾c
Sisal Lath Yarn, medium ₩ lb 8¼c
Cotton Rope..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ lb 7 c
Manila, ⅜in ₩ lb 7½c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal, ⅜ in ₩ lb 6 c
Sisal, ¼ and 5-16 in ₩ lb 5½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
1% for cash in 10 days.
Cotton Rope..... ₩ lb 11@13c net
Jute Rope..... ₩ lb 5@6c net

Rules—
Boxwood..... 30%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$3.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 8c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set..... $ .75 net.
No 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net..... $3.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ₩ lb.... .16

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 50&5%
Emery Cloth..... 50&5%
Garnet Paper. ..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 35%
Steel Cable..... 35%

Sash Cord—
Common..... ₩ lb 10@ c
Jute, good quality..... ₩ lb 1 c
White Cotton Braided, fair. ₩ lb 2½c
Common Russia Sash..... ₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 26¼c @ 28c
Sylvan Spring:
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00..10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....27c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c

Sash Fasteners, Holders, &c.—

Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....℔ doz. $1.20. 40%

Sash Locks—

Clark's, No. 1, $10; No. 2, $8; ℔ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....℔ gr $4.00
Common Sense, Nick. P't'd ℔ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances...25&5&2%
Hugunin's New Sash Locks. 25&5&2%
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%

Sash Weights—

Solid Eyes....℔ ton $22.50

Sausage Stuffers or Fillers—

Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%

Saws—

Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....20%
Gang, Drag & Mill....40%
X Cuts, Regular Back..25c. ℔ foot
X Cuts, Perforated....30c. ℔ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%

HACK SAWS—

Griffin's complete....45%
Griffin's Hack Saw and Blades....45%
Chatillon....30%
Butchers....25%
Star Butcher....25%

Saw Frames—

Star Hack....25%
White Vermont..℔ gro. $9.50@$10.00
Red, Polished and Varnished...℔ doz., $2.00 40%
C. E. Jennings & Co....30%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%

Saw Sets—

Stillman's Lever, Nos. 40, 45....55%
Common Lever ℔ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $33.00; No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Beech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ℔ doz. $6.00
Atkin's Criterion Saw Sets, ℔ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $6.50. 25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ℔ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....℔ doz. $12.00
Lloyd Acme....℔ doz., $15.00, 40&10%
Leopold....℔ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%

Scales—

Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.30@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%

Scale Beams—

Scale Beams, List Jan. 12, '83..50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%

Scrapers, &c.

Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....℔ doz., $4.00, 10%
Box, 2 Handle....℔ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@30%
Ship Common....℔ doz., $3.50 net
Ship, R. I. Tool. Co....10%

Screens—

Phillips:
Bonanza Screens....60%
Perfection Screens....60%
Extension....50&10&5%
Flyer....50&10%
Window Screen Frames....60&5%

Screen Doors—

Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30&35%
Standard Oil....35&40%

Screw Drivers—

C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....50&5%
Disston's Pat. Excelsior....50&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ℔ doz 33⅓&2%
Stearns'....25&10&5%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....℔ doz., 70@90c
Screw-Driver Bits, Parr's ℔ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ℔ doz....90c
Beauty, ℔ doz....$1.00 } 50%
Wm. Johnson's:
135 A....70&10%
135½ Extra....70%
138 Ebonized Handle....70%
141½....75%
142 Ebonized Handle....70%

Screws—

WOOD SCREWS—List, Jan., 1891.

Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%

MACHINE—

Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%

BENCH, HAND, ETC.—

Bench, Iron....70%
Bench, Wood, Beech. ℔ doz $3.00@3.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....20&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 &10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Other....60&10%

Scroll Saws—

C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%

Scythes—

Grain....40&5@40&10%
Grass....40&10%

Sets—

See Awl and Tool Sets.

Shears—

Ætna, Steel Japanned....30&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Hatch Cutlery Co. Solid Steel Forged....60%
Barnard's Lamp Trim'rs. ℔ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net

Sheaves—

SLIDING DOOR—

M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Stearns' Sheaves....60&10%
Hatfield Sheaves....80%

SLIDING SHUTTER—

R. & E. Mfg. Co.'s....60&10&5
Sargent's list....60&10%
Reading list....60&10&10%

Shells—

See Ammunition.

Shoes, Horse, Mule, &c.—

HORSE—

Burden's, Phœnix and Bryden's Bees, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ℔ ℔ 7½c
Perkins Improved Snow....℔ ℔ 4c

MULE—

Add $1 ℔ keg to above prices.

OX, WROUGHT—

Ton lots....℔ ℔ 9c
1000 ℔ lots....℔ ℔ 9½c
500 ℔ lots....℔ ℔ 10c

Shot—

See Ammunition.

Shovels and Spades—

Ames' Shovels, Spades, &c....20%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....20@20&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ℔ doz. $6.25 25&20%
Snow, D Handle, ℔ doz., $7.25 25&20%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%

Shovels and Tongs—

Iron Head....65@65&5%
Brass Head....65@65&5%

Sifters, Flour—

Shaker, Sidney Shepard & Co., ℔ doz. $2.00
Hunters....℔ doz. $3.00

Snaps, Harness, &c.

Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps

Spoke Shaves—

Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Stearns'....30&10%
Millers Falls....25%
Wm. Johnson's:
Wood, Best....3½
Wood, 2nd Quality....3½

Spoons and Forks—

TINNED IRON—

Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%

SILVER PLATED—

4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co..40 &15&10&10
L. Boardman & Son....50&12½%

MISCELLANEOUS—

German Silver....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash

Springs—

See Door Springs.

Squares—

Steel and Iron, Nickel-Plated....80%
Try Square and T Bevels..60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....20@25%

Staples—

Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%

Stocks and Dies—

Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....30%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%

Stones—

See Oilstones.

Stops—

See Bench Stops.

Stove Polish—

See Polish, Stoves.

Strops—

See Razor Strops.

Sweepers—

See Carpet Sweepers.

Tackle Blocks—

See Blocks.

Tacks, Brads, &c.—

An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ℔ box....$3.25
Best Steel, Blued or Bright, 4 oz. papers, ℔ box....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ℔ box....$3.75
Best Steel, Tinned or Coppered, 4 oz. papers, ℔ box....$5.15
Atlas "Home" Tacks:
No. 50, ℔ carton....$3.00
No. 50, ℔ case....36.00
No. 100, ℔ carton....6.00
No. 100, ℔ case....72.00 } 50%

CARPET TACKS—

Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued....60%
Am. Iron, Tinned or Cop'd....65%
Steel, all kinds....60%
Swedes Iron, Blued....50%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks....55%
Swedes Iron Upholst'rs' Tacks, S. S....60%
Gimp and Lace Tacks, Lace, Swedes Iron....60%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....⅌ gro $4.00
Tinned or Coppered....⅌ gro $4.25
Bonnie Blue Tacks, ⅌ case.....$1.50
Parisian Gilt Nails, ⅌ carton....50c
Bill Nye Brad, ⅌ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " .. 1.50

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ⅌ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ⅌ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....20&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.-
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.25
Comb. Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps. ⅌ ft..... .09
Single Rail Steel Track with clamps, ⅌ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ⅌ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ⅌ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ⅌ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig 4 3, ⅌ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ⅌ doz.. $1 50
Reed Wood Frame Pulley with Hook, Fig 434. ⅌ doz.. .....$2.25
Floor Pulley, Wood Sheave, Fig. 486, ⅌ doz $2.00
Floor Hooks, ¾ in ⅌ doz..... .65
Hanging Hooks for Double Steel Track, ⅌ doz..... .60
Hanging Hooks for Single Steel Track, ⅌ doz..... .60
Hanging Hooks for Wood Track, 10 in. ⅌ doz..... .45
Hanging Hooks for Wood Track, 14 in , ⅌ doz..... .55
Wrought Rafter Brackets, ⅌ doz..... .45
Malleable Rafter Brackets, ⅌ doz..... .45
Rope Hitch, ⅌ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%

MOUSE AND RAT—
Mouse, Wood, Choker, ⅌ doz hole 80&10%
S.T.....⅌ doz $6.00, 20%
Mouse, Round Wire. ⅌ doz $1.50, 20%
Mouse, Cage, Wire. ⅌ doz $2.50, 10%
Mouse, Catch-'em-alive ⅌ dz $2.50,15%
Mouse, Bonanza.....⅌ gr $10.00
Mouse, Ideal..... .....⅌ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....⅌ gr $9.50
Rat, Keystone.....⅌ gr $10.00
Rat, Exterminator.....⅌ gr $12.00
Rat, Decoy.....⅌ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ⅌ gross $18.00.....50%
Rat, ⅌ gross $30.00.....50%
Household.....⅌ gr $10.00
Erie Rat.....50%

FLY—
Balloon.....⅌ gr. $13.50
Electric Rod.....⅌ gr. $16.50
Globe.....⅌ gr. $13.50
Harper.....⅌ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering..... 40%
Brick No. 100 Extra..... .30%
Pointing.....40%
Corner.....40%

Vises—
Solid Box.....60&10%

PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%

SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ⅌ gross. $2.50 to $12.00
Rattan Drop Tops ⅌ doz. 50c to $1.50
Rattan Straight ⅌ doz. 80c to 3.00
Rattan Fancy Mounted ⅌ doz. $1.50 to $6.00
Stocked Javas ⅌ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ⅌ doz. $4.00 to $7.50
"True Grip" Raw Hide ⅌ doz. $6.00 to $12.00
Whalebone...⅌ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's.....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.... ....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to 2 80%
Steel Music Wire, Nos. 12 to 80 55c ⅌
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ⅌ 100 sq. ft..$1.45
Galvanized Wire Netting.....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&3½%
Iron, Galvanized.....40&3½%
Cast-steel.....40&3½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'."....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Sullison Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—
Per Dozen
No. 20, Erie, 10 inch.....$24.00
No. 30. Erie, 11 inch..... 27.00
No. 55, King, 11 inch..... 38.28
No. 45, King, 10x1¾ inch..... 26.00
No. 65, King, 11x2 inch..... 32.00
No. 2, "77" 10 inch..... 15.50
No. 2, Zenith, 10 inch..... 16.50
No 3. Zenith, 11 inch..... 19.00
No 4, Zenith, 12 inch..... 21.50

WOOD—
No. 40, Prime, 10 inch..... 20.00
No. 50, Prime 11 inch..... 23 00
No. 66, Columbia, 11x1¾ inch.. 27.00
No. 99. Pittsburg, 11x2 inch.... 31.00
No. 33, Nonpareil, 11x1¾ inch.. 28.00
No. 44, Nonpareil, 11x2 inch.... 32.00
Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....⅌ gal. 50c
Linseed, City, Boiled.....⅌ gal. 53c
Linseed, Western, Raw...⅌ gal. 54c
Lard, City, Extra, Winter. ⅌ gal. 56c
Lard, City, Prime. .. ....⅌ gal. 54c
Lard, City, Extra No 1...⅌ gal 50c
Lard, City, No. 1.....⅌ gal 45c

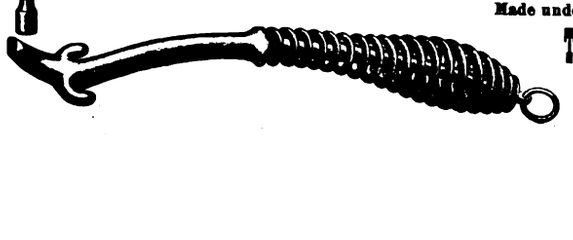
Paints and Colors—
Barytes, Foreign ⅌ ton $22.00@$25 00
Barytes, American, Floated.....⅌ ton $26.00@$28 00
Barytes, American, No. 1.....⅌ ton $16.00@$18.00
Barytes, American, No. 2.....⅌ ton $13 60@$15.00
Barytes, American, No. 3..... ⅌ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small pack.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5½@6¼c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs..... 5¼@6c
Zinc, American, Dry.....3½@4½

Putty—
In Barrels and half bbls. .01½@.01¾
In Tubs. ..... .01½@.01¾
In Tin. Cans ..... .01½@.02¼
In Bladders..... .02¼

Spirits Turpentine—
In regular barrels. .....⅌ gal. 30½c
In machine barrels.....⅌ gal. 31 c

Varnishes—
Glidden's:
Patent Surfacene.....$1.25
Protective Black.....$1.75
Transparent Wood Rim Enamel $4.50
"M. P." Special Coach.....$1.40
Egyptian Black..... .45
Hard Oil Finish.....$1.25
Smith's:
Spar Coating.....$4.00
I.X.L. No. 1.....$3.75
Best Rubbing, Palest.....$4.00
Piano Polishing..... .....$4.00
Coach Japan $1.75
Extra No. 1 Coach.....$3.50
No. 1 Coach.....$3.25
Lt. Hd. Oil Finish.....$3.25
Dark Hd. Oil Finish.....$1.85
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$2.50
Umber in Oil.....⅌ lb .20
Sienna in Oil.....⅌ lb .23
Ochre in Oil.....⅌ lb .13
Window Blind Green in Oil.. .21
Chrome Yellow in Oil....⅌ lb .27
Indian Red in Oil.....⅌ lb .21
Dealers' Discounts in large 25

BE CAREFUL OF INFRINGERS OF OUR PATENTS.



ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.

DEALING IN THE ALASKA PAYS.



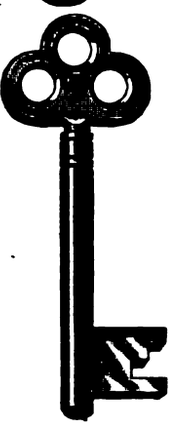
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CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.



A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.

THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN experienced Hardware salesman, to travel in West Virginia, for a first-class house. Some one well acquainted in that section preferred. Address W. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED, a young man, thoroughly acquainted with the Hardware business, to travel in Eastern Ohio, Western Pennsylvania and West Virginia. Answer, with References, "Immediate," care of HARDWARE, No. 143 Chambers Streeet, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can furnish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

A YOUNG man, with experience on the road, would like to travel for A 1 article in New England. Address H. H., No. 667 Salem Street, Malden, Mass.

WANTED, by young man, twenty-six years of age position in Hardware store, wholesale or retail. Seven years' experience in builders' Hardware and house-furnishing goods. Understands taking Hardware from architects' plans. Best of references. Address L., No. 2233 Norris Street, Philadelphia, Pa.

WANTED, position in Hardware store, by a young man who has had six years' experience in one of the largest stores in New England. References from present employers. Address W. F. B., No. 34 Russell Street, Worcester, Mass.

WANTED, position as clerk in retail Hardware store, by young man, with 3½ years' experience. References. Address T.; care Letter-carrier No 3, Attleboro, Mass.

WANTED—By a young man twenty-six years of age, position in wholesale or retail Hardware store; experienced; best of references. Address W. A. F., 215 North Fifth Street, Brooklyn, N. Y.

Agencies for Hardware Specialties Wanted.

AN active agent, with a large and intimate acquaintance with the domestic and export trade, wishes to represent manufacturers in this section. Address Wilson, care HARDWARE, No. 143 Chambers Street, N. Y.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Offered.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

SALESMAN wanted for good line of German pocket knives, scissors and shears as side line to retrail trade in Pennsylvania and New York State, except city. Liberal commission. Address X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED. salesmen in every State to sell as side line our steel roofing, corrugated iron, conductor, eave trough, etc., product of a large concern. Address "Rare Chance," care HARDWARE, No. 143 Chambers Street, New York.

COMMISSION salesmen wanted on side line. Goods sell from small samples and illustrated catalogue, mainly in Hardware, house-furnishing, crockery, dry goods and bazaar trades. State territory. Staple Goods, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesmen visiting stove and tinware, Hardware, house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co., Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

FOR sale, patent steel roofing, with the necessary tools for applying. Electros for advertising, etc. Trade established. Good opportunity now open. Reasons can be given on application. Address Columbia, care HARDWARE, No. 143 Chambers Street, N. Y.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., **ISAAC CHURCH,**
Send for Catalogue **Toledo, O.**

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S. L. Allen & Co., Philadelphia.
John H. Graham & Co., New York.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co, Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

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New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

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Chas. Morrill, New York.

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Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
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A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis, Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
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C. H. Lamson, Portland, Me.
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Mossberg Wrench Co, Attleboro, Mass.
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Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston,
Premier Cycle Co, New York.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse Hazard & Co, Peoria, Ill.
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Edw. K. Tryon, Jr., & Co., Philadelphia.
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Yost Mfg. Co., Toledo, Ohio.

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Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

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Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolts.
J. H. Sternburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

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Francis Kell & Son, New York.
Russell & Erwin Mfg. Co., New York.
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Stanley Works, New Britain, Ct.

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Ferris Mfg. Co., Chicago, Ill.

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John Chatillon & Sons, New York.

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Geuder & Paeschke Co., Milwaukee, Wis.

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A. S. Henn & Co., New Haven, Conn.

Casters.
Gwinner Mfg. Co., Hamilton, O.

Castings, Iron and Brass.
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Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

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Surpless, Dunn & Alder, New York.

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P. H. Leonard, New York.

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Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

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Buckeye Churn Co., Sidney, Ohio.

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Th. M. Hass, New York.

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John Chatillon & Sons, New York.

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Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

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Berry Sprinkler Co., Boston.

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Gilbert & Bennett Mfg. Co., New York and Chicago.

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Van Wagoner & Williams Hardware Co., New York.
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Bruce & Cook, New York.

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C. T. Williamson Wire Novelty Co., Newark, N. J.

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Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
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Miner & Peck Mfg. Co., New Haven, Ct.
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Storm Mfg. Co., Newark, N. J.

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Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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F. & N. Mfg. Co., Richmond, Ind.
Philadelphia Lawn Mower Co., Philadelphia.
Underhill, Clinch & Co., N. Y.

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Troy File Works, Troy, N. Y.

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Gibbs Mfg. Co., Canton, O.

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National Lead Co., New York.

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Tower & Lyon, New York.

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Yale & Towne Mfg. Co., Stamford, Ct.

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Garvin Machine Co., N. Y.
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Miner & Peck Mfg. Co., New Haven, Ct.
C. F. Richardson & Son, Athol, Mass.
Toledo Machine & Tool Co., Toledo, O.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

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Loring Coes & Co., Worcester, Mass.

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T. F. Welch & Co., Boston

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W. C. Heller & Co., Montclair, N.J.

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Bruce & Cook, New York.

Manger Boxes.
Broad Gauge Iron Stall Works Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

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Enterprise Mfg. Co., Philadelphia.
John H. Graham & Co., New York.

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Cleveland Rubber Co., Cleveland, O.
New York Belting & Packing Co., Ltd., New York.

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Yale & Towne Mfg. Co., Stamford, Ct.

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Bruce & Cook, New York.

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Mincing Knives.
Enterprise Mfg. Co., Philadelphia.
A. S. Henn & Co., New Haven, Conn.

Model Making.
T. F. Welch & Co., Boston.

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Bruce & Cook, New York.
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Chas. J. Stebbins, New York.

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Star Mfg. Co., Canton, Ohio.

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J. H. Cort & Son, Brooklyn, N. Y.
Edward Miller & Co., Meriden, Ct.

Oilers.
Cushman & Denison, New York.
Scovill Mfg. Co., Waterbury, Conn., New York.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Oil Stones.
Pike Mfg. Co., Pike Station, N. H.

Ornamental Work.
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Boston Belting Co., Boston.
N. J. Car Spring & Rubber Co., Jersey City, N. J.
New York Belting & Packing Co., Ltd., New York.

Padlocks.
Ames Sword Co., Boston.
John H. Graham & Co., New York.
Tower & Lyon, New York.

Pails.
Standard Fibre Ware Co., Mankato, Minn.

Paints.
Jos. Dixon Crucible Co., Jersey City, N. J.
W. W. Lawrence & Co., Pittsburg, Pa.

Pencils.
Joseph Dixon Crucible Co., Jersey City, N. J.

Picture Hooks, &c.
Ossawan Mills Co., Norwich, Ct.

Planes.
Tower & Lyon, New York.

Plated Ware.
Luther Boardman & Son, East Haddam, Conn.
Hall, Elton & Co., Wallingford, Conn.
Holmes & Edwards Mfg. Co., Bridgeport, Conn.

Plating, Nickel, Brass & Bronze.
C. H. Angus, Albany, N. Y.

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J. P. Lovell Arms Co., Boston, Mass.
Tower & Lyon, New York.

Post Hole Diggers.
Gibbs Mfg. Co., Canton, O.
John H. Graham & Co., New York.

Polishing Mitten.
Handy Stove Mitten Mfg. Co., Boston, Mass.

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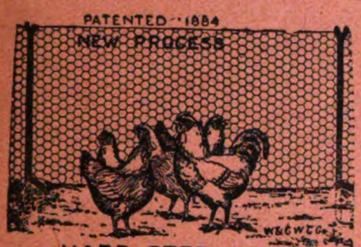
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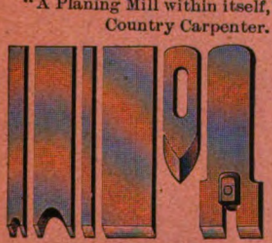
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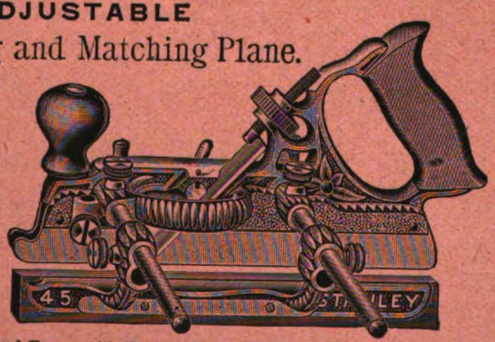
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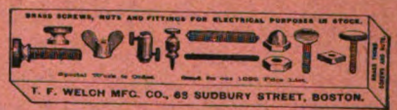
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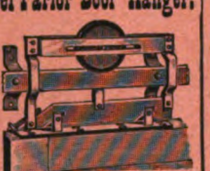


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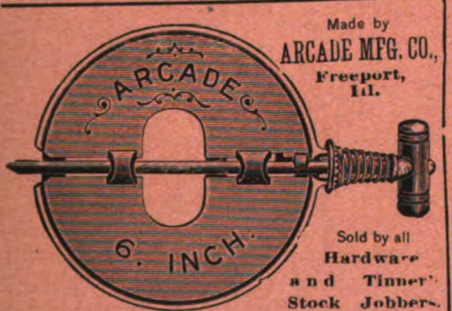


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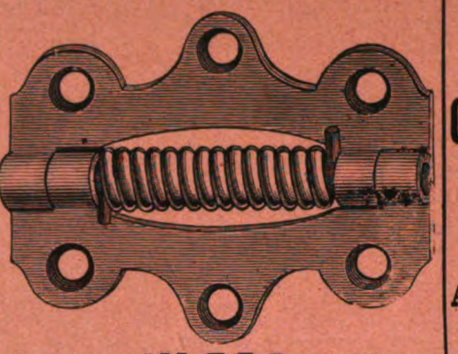
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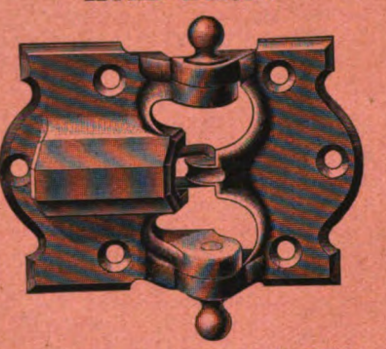


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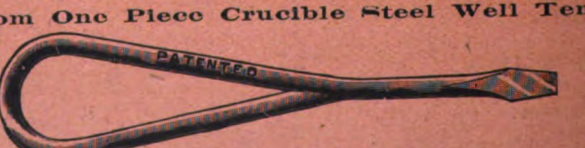
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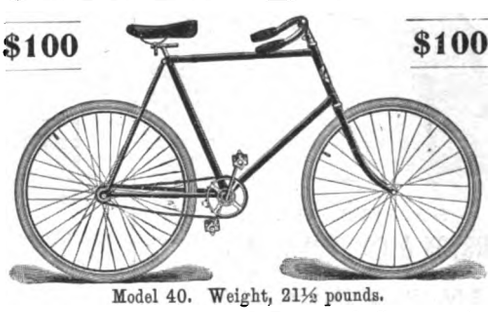
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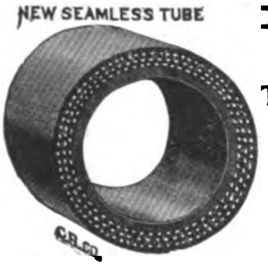
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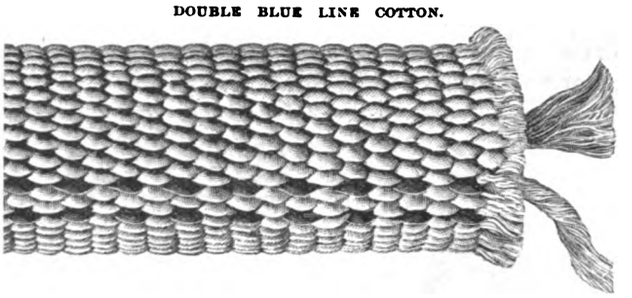
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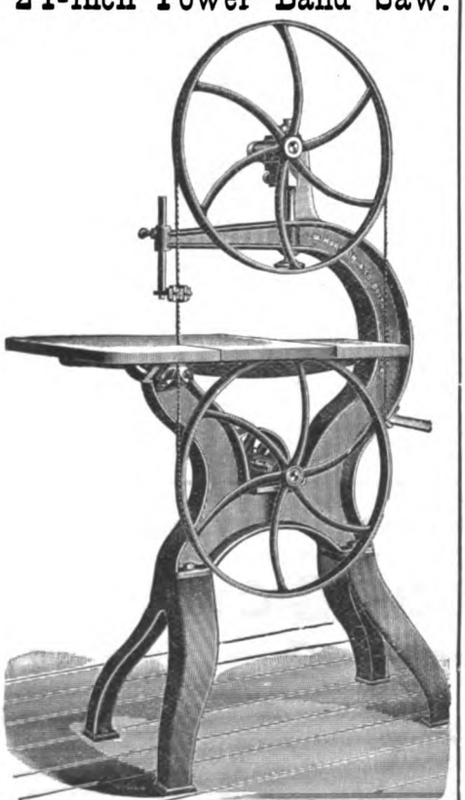
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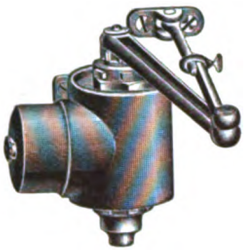
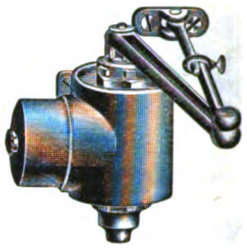
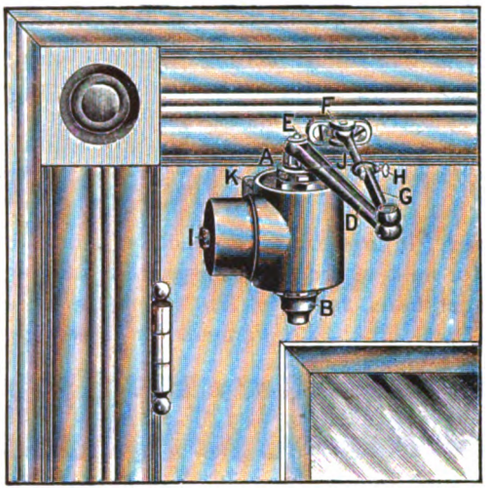
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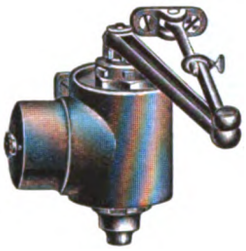
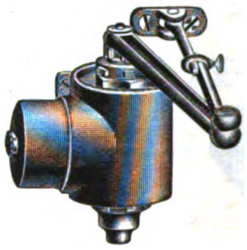
New Orleans, La., 516 Natchez St.

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CORBINS'

LIQUID DOOR SPRING AND CHECK.

P. & F. CORBIN,

MANUFACTURERS,

FACTORIES & GENERAL OFFICES —AT— NEW BRITAIN, CONN.

WAREHOUSES:

NEW YORK: Nos. 24 & 26 Murray St.
CHICAGO: No. 63 Washington St.
PHILADELPHIA: No. 925 Market St.

OHIO KNOCK-DOWN STOVE PIPE.

THE Ohio Stove Pipe is the only practicable, durable Smoke Proof Knock-Down Stove Pipe made that needs no direc tions for putting it together. The Ohio Stove Pipe's peculiar construction enables any person to easily put it together or take it apart. A number of the Ohio Stove Pipe Joints put together will make a continuous line (46 ft. long if desired) of perfectly firm, smoke-tight pipe that will not collapse.

The Ohio Stove Pipe is always shipped in crates of 25 joints of the following sizes:

4 in....per crate. 4½ in.... " 5 in....per crate. 5½ in.... " 6 in....per crate. 6½ in ... " 7 in....per crate.

Ask your jobber for this stove pipe; if he does not keep the Ohio, write us.



The Geauga Foundry & Manufacturing Co., Painesville, Ohio.



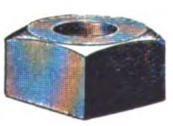
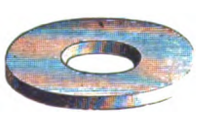
WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

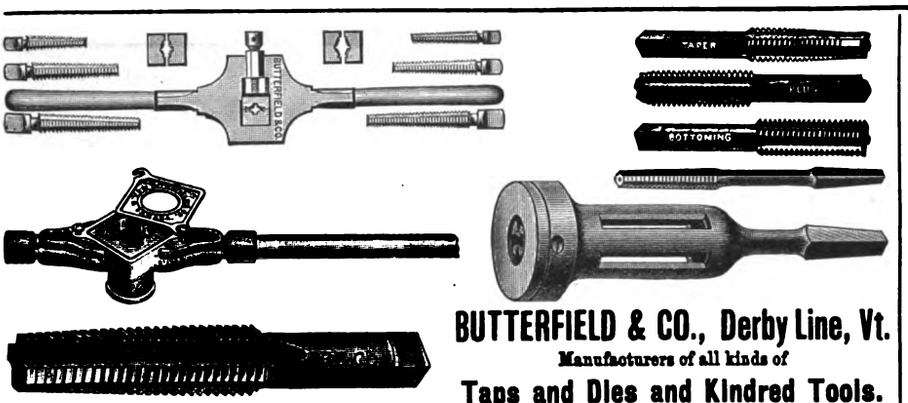
Milton, Pa.

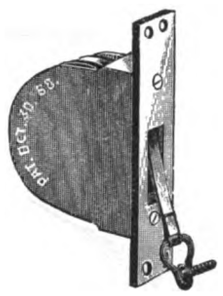
"HARDWARE" has a field of its own.

That's Why

Advertisers get results.



BUTTERFIELD & CO., Derby Line, Vt.
Manufacturers of all kinds of
Taps and Dies and Kindred Tools.



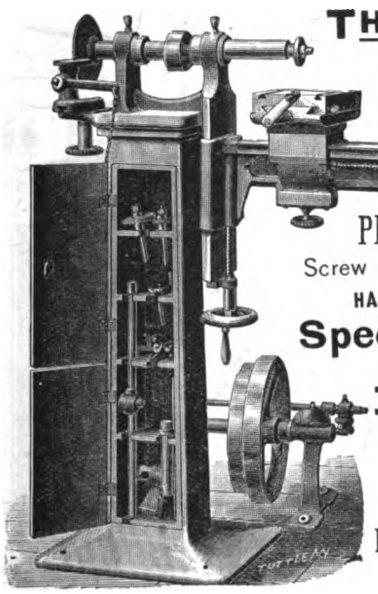
IF THE COAT FITS, PUT IT ON.

We make good goods, and sell them to the best trade, who sell the best class of Hardware. If there are any of the above who are not already selling

THE CALDWELL SASH BALANCE,

We solicit their orders.

CALDWELL MFG. CO.,
Box 1022. *ROCHESTER. N. Y.*



THE CARVIN MACHINE CO.,

MANUFACTURERS OF

UNIVERSAL
Cutter and Tool Grinders,
PLAIN & UNIVERSAL MILLING MACHINES.
Screw Machines, Tapping Machines, Gear Cutters,
HAND LATHES, DRILL PRESSES, SPRING COILERS, ETC.
Special Bicycle Machinery.
ALSO DEALERS IN
METAL WORKING MACHINERY
OF ALL KINDS.
Over 600 Various Machine Tools For Immediate Delivery.
LAIGHT AND CANAL STREETS, - NEW YORK
Also 51 North 7th St., Philadelphia, Pa.

THEO. M. HASS,

MANUFACTURER OF

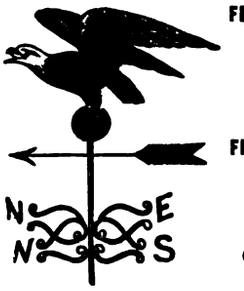
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.

Goods to Order a Specialty. Dies and Tools.

176 CENTRE STREET, (Opposite Earle's Hotel) NEW YORK.



WEATHER VANES.



WEATHER VANE.

FENCING,
STABLE FIXTURES,
WINDOW GUARDS,
GRILLES,
FIRE ESCAPES,
OFFICE RAILINGS,
SIGNS, STAIRS,
JAIL CELLS.

CATALOGUE FREE.

WIRE AND IRON WORK.

E. T. BARNUM, DETROIT, MICH.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

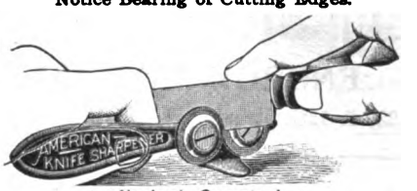
Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

The AMERICAN KNIFE SHARPENER.

PATENTED FEB. 23, '92.
Notice Bearing of Cutting Edges.



Absolutely Guaranteed.

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.

MOSSBERG WRENCH CO.,
Manufacturers of Novelties, Attleboro, Mass.

PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE**, will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.

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OHIO AND SAMSON

ARE THE BEST

Mounted Grindstones

ON THE MARKET.

Send for Catalogue C 2 illustrating them, and other Mounted Grindstones, Scythe Stones, &c.

THE CLEVELAND STONE CO.,

Hickox Building. **Cleveland, O.**

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

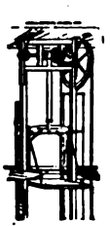
Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,

1223 S. 15th Street, PHILADELPHIA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

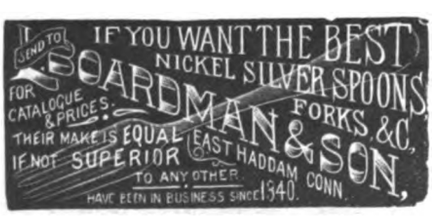
ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs, Ia.



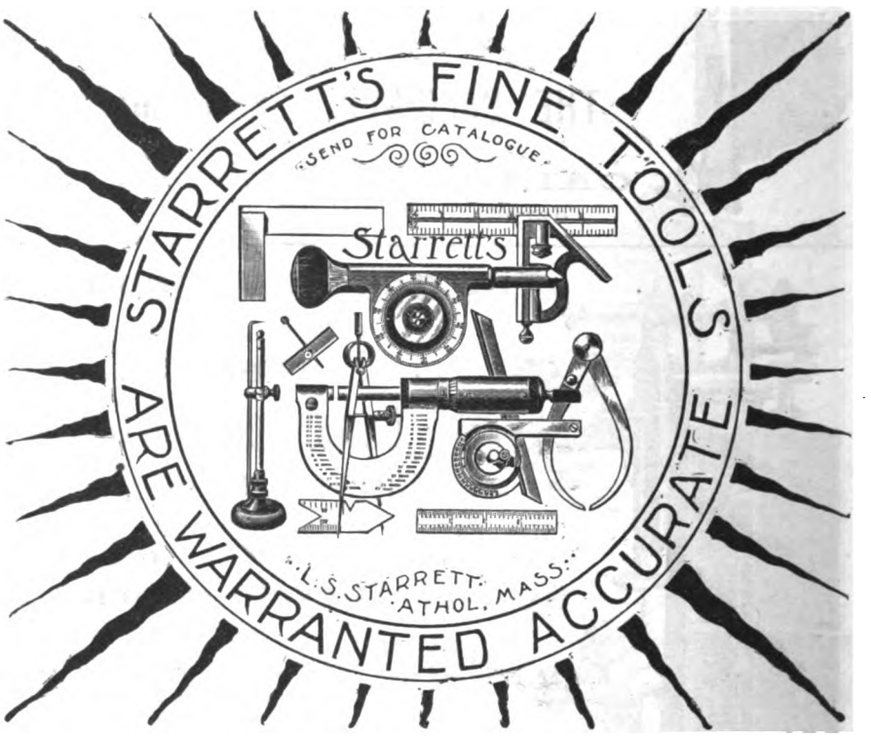




Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.



UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Steel Snow Shovels,
Wood Snow Shovels,
P. Lowentraut's Skates.

GENERAL HARDWARE.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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O. W. Clapp. Dwight O. Clapp.

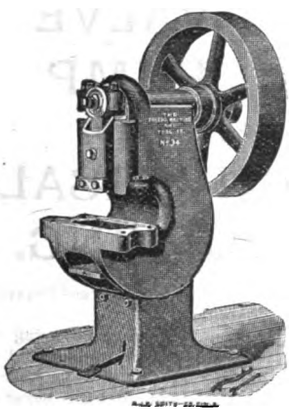
CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

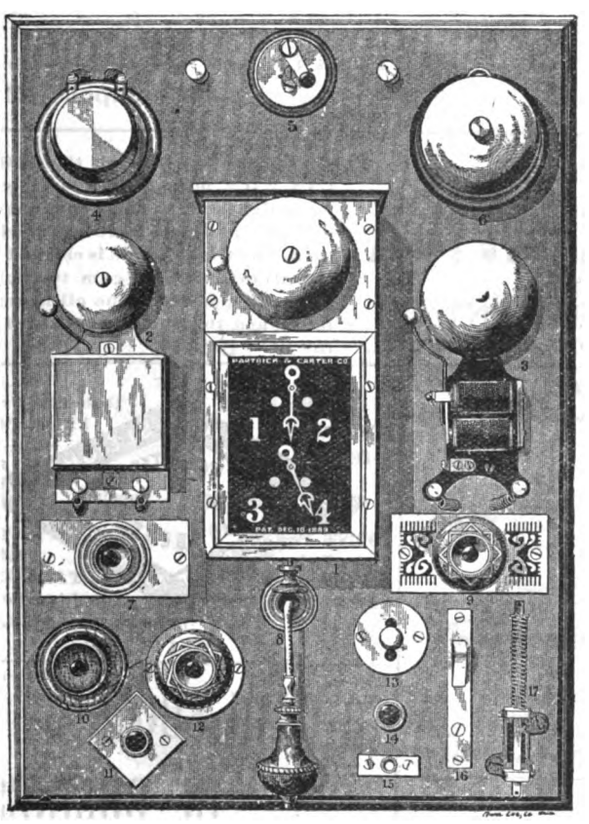


The Toledo Machine & Tool Co.,
501-505 Superior St., Toledo, Ohio.
—WE MANUFACTURE—
Power Punches, Forging Presses,
Power Presses, Trimming Presses,
Straight Sided Double Pitman Presses,
Drop Presses,
Embossing Presses, Automatic Feed Presses,
Stamping Presses, Power Slitting Machines,
Riveting Machines, Power Shears.
Special and Automatic Machinery Dies for all classes of work in sheet metals.
Write for Catalogue and prices.



COATES CLIPPER MFG. CO.,
Worcester, Mass, U. S. A.
MAKERS OF
Hair Clippers
ALL KINDS UNDER THE
COATES PATENTS.
Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.
-:-SEND FOR CATALOGUE.-:-

"Just a Few Samples"



OF OUR LEADING SPECIALTIES IN PRACTICAL OPERATION WILL INCREASE YOUR SALES OF

ELECTRICAL SUPPLIES

FOR

HOUSE WORK

THIS SAMPLE BOARD HAS EVERYTHING CONNECTED AND IN COMPLETE WORKING ORDER FOR EXHIBITION. THE BOARD IS HARD WOOD, SIZE 15X22 INCHES.

YOUR NAME IN GILT LETTERS.

Prices on application and mention of HARDWARE.

ESTABLISHED 1867 125 SOUTH 2D STREET
PARTRICK & CARTER Co
Electrical Supplies of all Kinds *House Goods a Specialty*
WRITE FOR CATALOGUE PHILADELPHIA

You take no risk on the quality.
We make only the best



Sand Papers IN Reams and Rolls
Flint Paper
Garnet Paper
Emery Paper
Emery Cloth

Hair FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co.
700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
148 MILK STREET, BOSTON.
168 LAKE STREET, CHICAGO.

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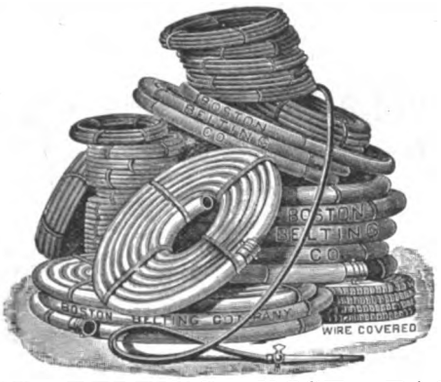
BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

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—Salesrooms:—

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26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa.
8-10 E. Michigan St Duluth, Minn.
[illegible] East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
137-9 S. Meridian St. Indianapolis, Ind
297 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis.
4 Monroe St., Grand Rapids, Mich.



WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.
It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade

Electros Free for Catalogue Purposes

Sole Manufacturers,

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

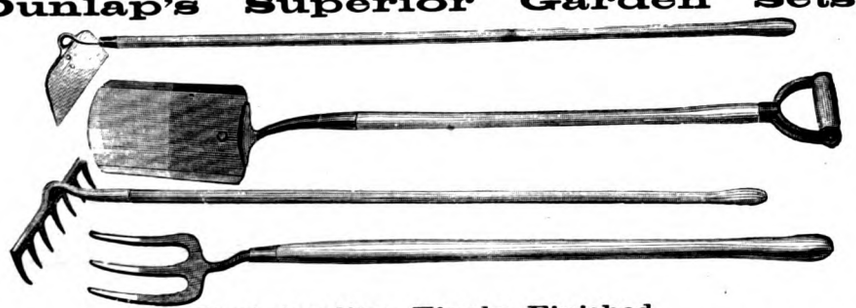
Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Garden Sets.



Best Quality, Finely Finished.

No cast iron used in the manufacture of these goods. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

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P. S. STUB'S FILES.
TOOLS.
STEEL.
Hubert's French EMERY PAPER.
KEARNEY & FOOT FILES.
ADDIS'S Carving Tools.
Chesterman's TAPES AND RULES.
TWIST DRILLS, TAPS, DIES, Machine Screws.

CHURCH & SLEIGHT
IMPORTERS
Tools, Metals, Supplies.
JOBBERS
109 FULTON ST. NEW YORK. 109

CABLE ADDRESS "BUNDLET NEW YORK."



CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST BROS. STEEL
BUCK BROTHERS



TO GAIN SUCCESS IN BUSINESS,

It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



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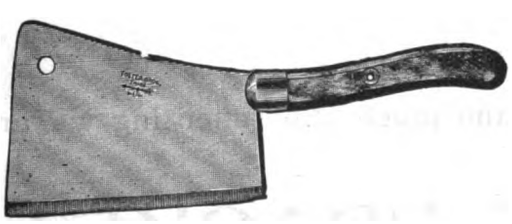
MANUFACTURERS OF

SCALES

—AND—

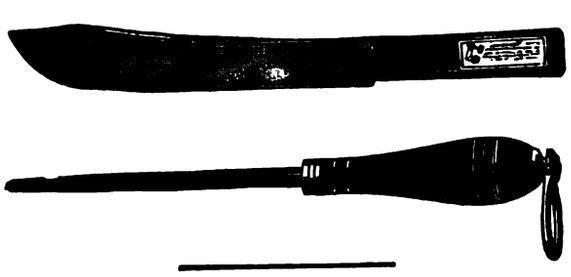
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91. 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

Table Bells and Tape Measures.

Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

Bradley & Hubbard Mfg. Co.,

NEW YORK, 26 Park Place. BOSTON, 160 Congress St. PHILADELPHIA, Room 710, Betz Bldg. CHICAGO, 204 Masonic Temple.

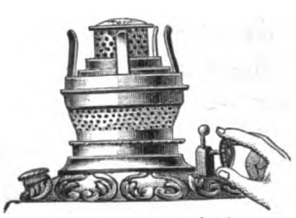
Main Office and Factories, Meriden, Conn.

Patent Lighting Lift.



Shows Lighting Without Removing Shade or Chimney

All Nos. 1 and 2 Royal Lamp have our patent Lighting device and Ratchet Wick Raising Movement.



Shows Ratchet Wick Raising Movement.

The "ROYAL" has the *only* chimney lift which will stay in position while lighting the lamp.

It is the only lamp with the Ratchet Attachment to raise and lower the Draw Bar giving perfect control of the wick. It gives more light for the wick exposure and consumption of oil than any other lamp taking same size wick.



No. 866 Royal Lamp.

The "BANNER" Oil Stove

Will heat a room 15 to 20 feet square.

No chimney. No smoke. No odor.



Banner Stove, Height, 26 inches.

Get one for your Bed, Bath and Smoking Room, Library, Nursery, Office or Conservatory.

SOLE MAKERS,

The PLUME & ATWOOD M'F'G CO.

New York City Chicago, Ill.

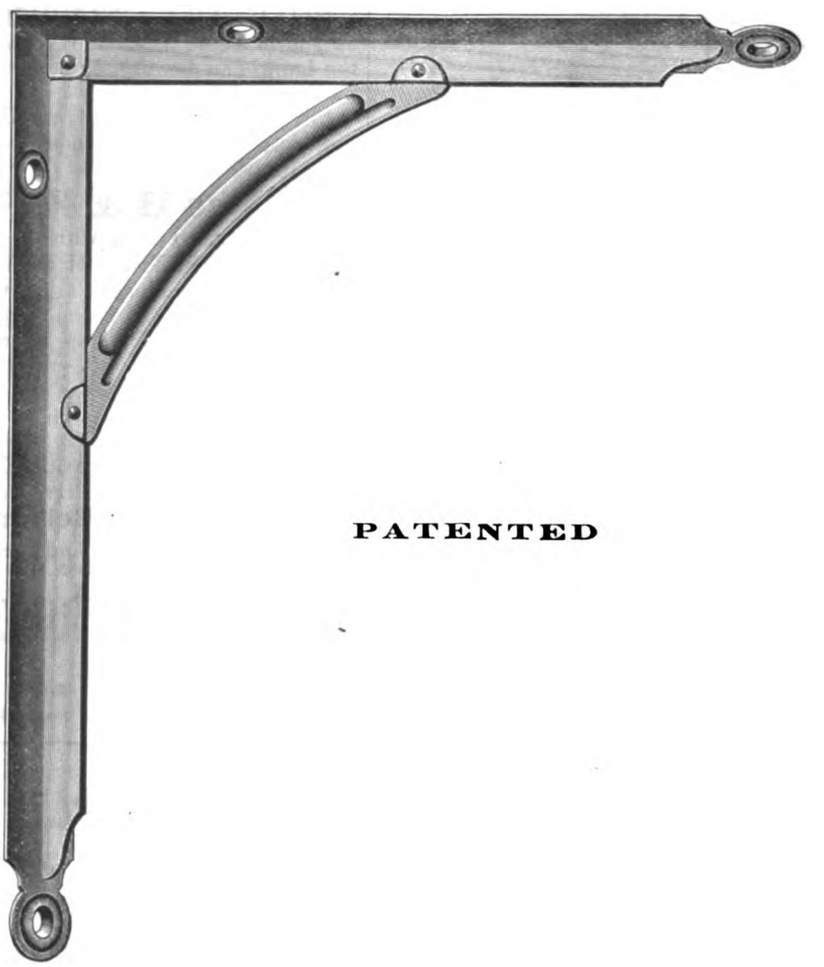
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A Perfect Shelf Bracket

—MADE OF—

WROUGHT STEEL.

Light! Strong! Elegant!



PATENTED

As a result of long and careful study and much experimenting we are able to offer the trade a

STEEL SHELF BRACKET

which is far superior to anything of the kind heretofore produced, and which we believe to be a

PERFECT ARTICLE!

We base our faith in these assertions on the following points of

SUPERIORITY:

1.—The use of the **arched** or **angle** forms of steel in the wall and shelf plates, which gives **much more strength** with less metal than if made flat.

2.—The **Corrugation** of the brace, which renders it secure against buckling or bending sideways under the severest strain.

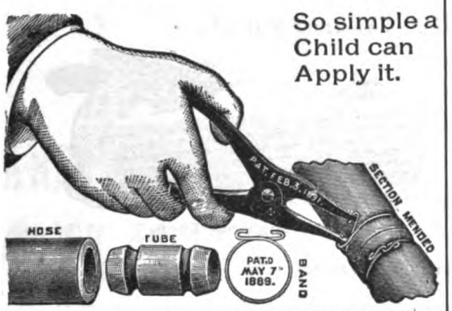
The application of these principles makes a **Light, but very Strong Bracket.**

—PRICES ON APPLICATION.—

THE STANLEY WORKS, New Britain, Conn.
79 Chambers St., New York.

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Hudson's . . . .
Garden Hose . .
Mender . . . .



Leaks can be mended, or couplings fastened on instantly. WILL HOLD STRONGER THAN ANY OTHER MENDER. Will not tear the rubber lining from the hose like screw menders. ONE SIZE ANSWERS FOR 3 or 4-ply. Made for ½, ¾ and 1-inch hose. Put up in boxes containing 6 Tubes 20 Bands and 1 Pair of Pliers. **The Entire Outfit Retails for 75 Cents.** There is a good profit in these goods for You, and possibly an Agency.

WRITE US FOR CIRCULARS AND PRICES.

C. E. HUDSON & CO.,
Leominster, Mass.

CLIMAX WATCH



FOR

$2.00

American
Lantern
Pinion
Stem Wind
¾ Plate
Gilt
and Nickel
Plain
and Fancy
Cases.

Over 300,000 of our watches sold in 1894. **Over one-half of them through the Hardware Trade.** Each Watch is Fully Guaranteed. Price, $15.60 per dozen, net; spot cash; including chain with each watch. Send for sample and catalogues.

ROBERT H. INGERSOLL & BRO.,
SOLE MANUFACTURERS,
65 Cortlandt Street, New York.

A business without advertising is like a gun without ammunition. Advertise in

"HARDWARE."

AT THE TOP



AND GOING TO STAY THERE — THE

NATIONAL SAW CO.

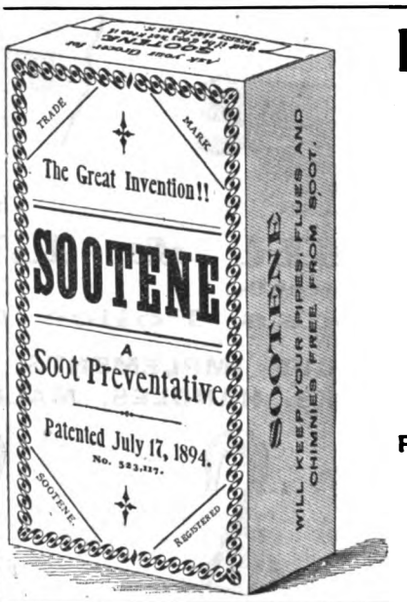
GENERAL OFFICE.... NEWARK, N. J.

OPERATING:
Wheeler, Madden & Clemson Mfg. Co.
Richardson Bros.
Harvey W. Peace Co.
Woodrough & McPartlin

Manufacturers of **SAWS** Of Every.. Description

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at a handsome profit. It is a grocer's invention, and its phenomenal sales indicate its intrinsic worth. Sole agency given to one merchant in each city. For further details write to the

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The Smith & Egge Mfg. Co.,

Bridgeport, Conn.

Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

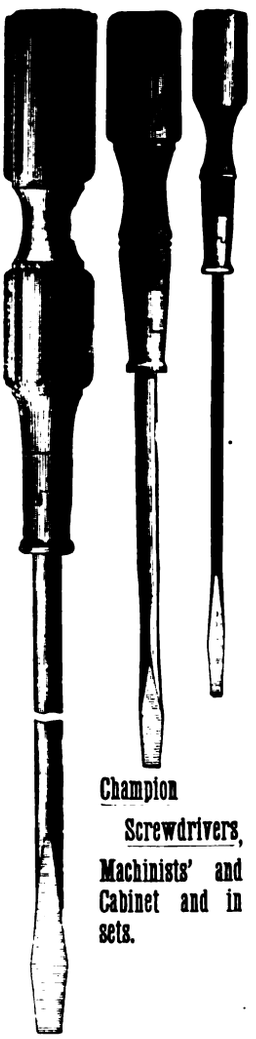
Models, Special Tools

And the manufacture of all kinds of

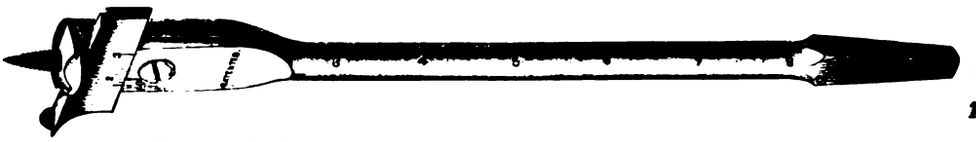
SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

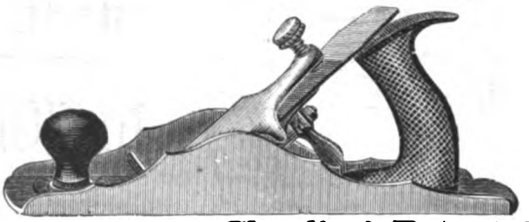


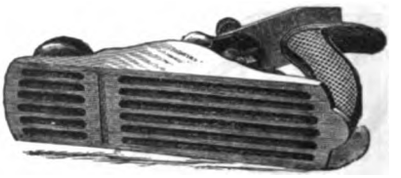
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

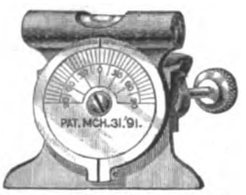
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





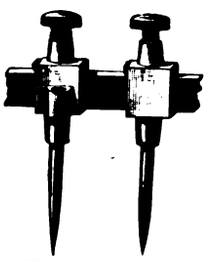
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



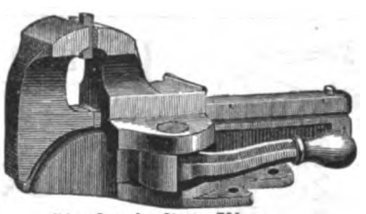


Plumb Bobs and Trammel Points.

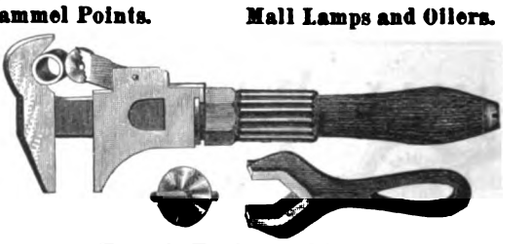




Mall Lamps and Oilers.



Stephen's Pat. Vises.



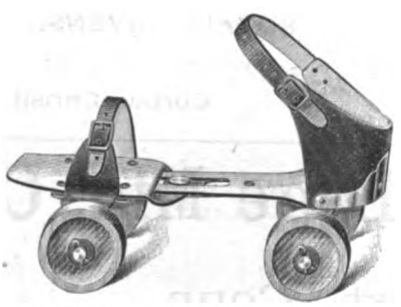
Tower's Engineers Wrenches.

TOWER & LYON,

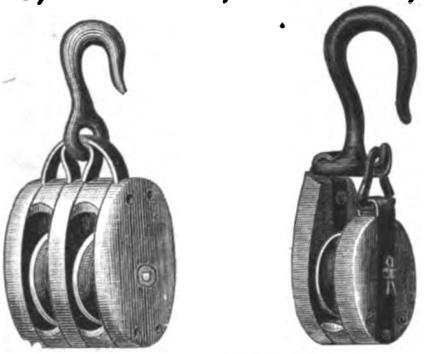
95 Chambers and 77 Reade Streets, NEW YORK.

Manufacturers **Padlocks, Police Goods, Etc.**

DOG COLLARS and MUZZLES, GUN IMPLEMENTS, ROLLER and ICE SKATES, TACKLE BLOCKS, HANDLES, MALLETS, &c.



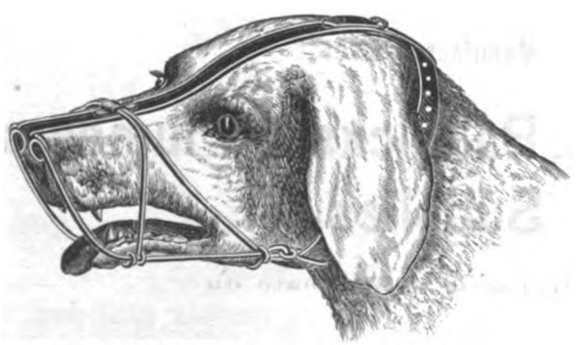
EXTENSION ROLLER SKATES.



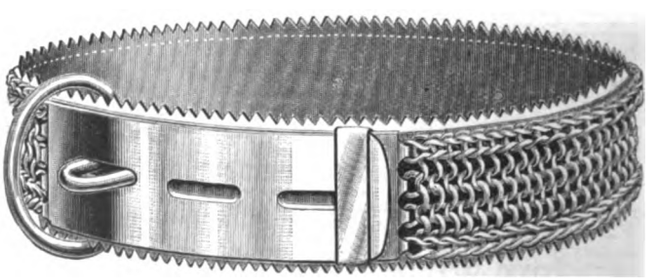
UNION BRAND TACKLE BLOCKS.



LOUD'S PAT. SUCTION PUMPS.



WIRE, LEATHER AND AUTOMATIC MUZZLES.



DOG COLLARS, CHAIN AND LEATHER.

All Styles and Grades.

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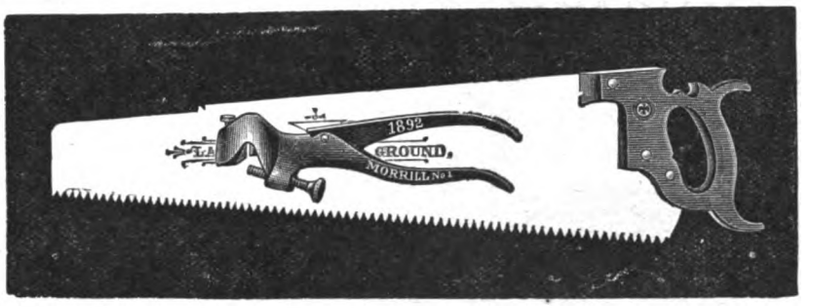
95 CHAMBERS ST., NEW YORK. TORRINGTON, CONN.

New York Office in charge of TOWER & LYON.

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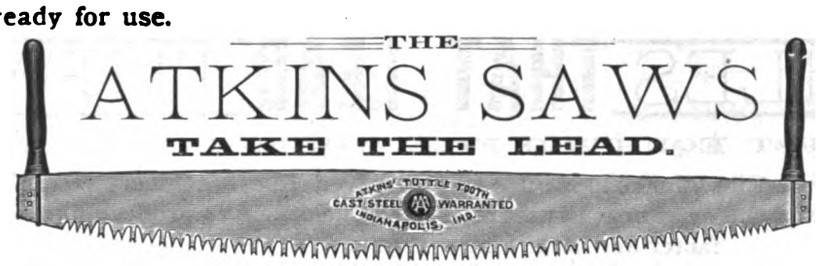
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BRANCH HOUSES { Memphis, Tenn. Chattanooga, Tenn. Minneapolis, Minn.

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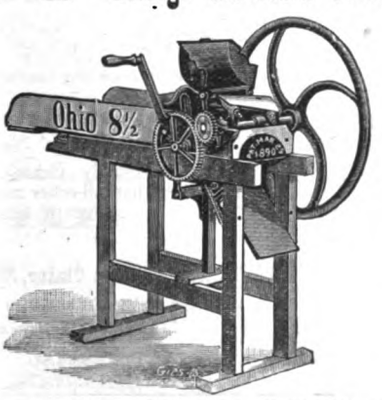


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Cross Cut, One Man, Hollow Back, and Hand Saws, Saw Tools, Handles.

Write for Catalogue and Prices.

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Large and Complete line of HAND and GENERAL PURPOSE POWER Machines.

THE SILVER MFG. CO., Salem, Ohio

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Pipe Wrenches.

The "CURTIS"



9 inch. 15 inch. 18 inch. 22 inch.
$2.25 $3.00 $3.50 $5.00

"ALLIGATOR"



TRADE MARK.

THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—⅜	⅜—¾	⅝—1¼	1¼—2	2 —3
Roundiron	¼—¾	½—1	¾—1½	1½—2½	2½—3½
Length	5	9	16	22	27
Per Dozen	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

The "Curtis" Wrenches have the diagonally cut teeth of the "Alligator" on both jaws acting in opposite directions. The jaws are connected by swinging bolt and swinging link which gives a quick, sure grip. These Wrenches can be used in contracted space where no other wrench can.

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LEONARD VIENNA AUSTRIA

P. H. LEONARD,

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VIENNA CHINA, LIMOGES CHINA,
AND FOREIGN GLASSWARE,

76 & 78 READE ST., NEW YORK

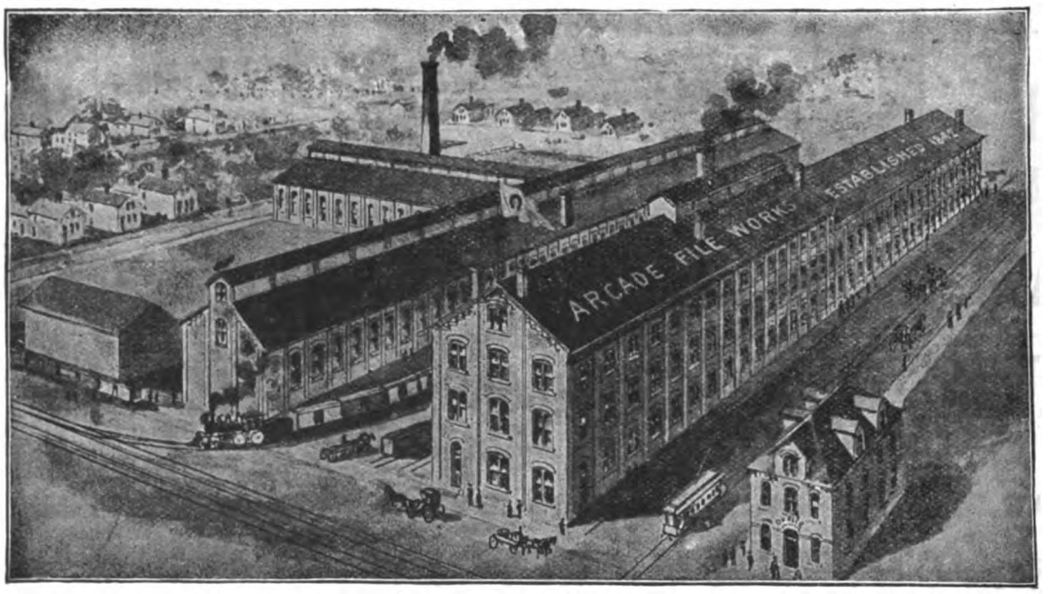
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Samuel W. Allerton, Pres. *Courtlandt C. Clarke, Sec. and Treas.* *Alfred Weed, Vice-Pres. and Gen. Man.*

ARCADE FILE WORKS,

ESTABLISHED 1842.

Eastern Office and Warehouse, 83 READE STREET, - NEW YORK CITY.



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Works: ANDERSON, IND.

THE FILES THAT LEAD THEM ALL.

THE BEST EQUIPPED FILE WORKS IN THE WORLD.

The fact that the Arcade File Works alone use the Improved File Machinery recently invented by Alfred Weed, and the even heat of natural gas enables them to produce files that cut faster and wear longer than any on the market.



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Best Refrigerator Made

We solicit an opportunity of presenting the merits of our

"WISCONSIN PEERLESS."

Mineral Wool Filling. Absolutely cleansable. More and better talking points than all other makes combined. Absolute guarantee. Seventh season. For Catalogue address

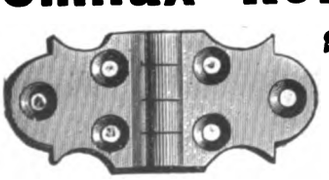
The Wisconsin Refrigerator Co., Eau Claire, Wis.

New York Office: Ross & Fuller Ass'n, 23 Chambers St.

New England Office: 175 Hanover t., Boston, Mass.

Philadelphia Office: Reeves & Smiley, 129 N. 2nd St.

Climax Refrigerator Door Fastener.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

SEND FOR OUR LIST.

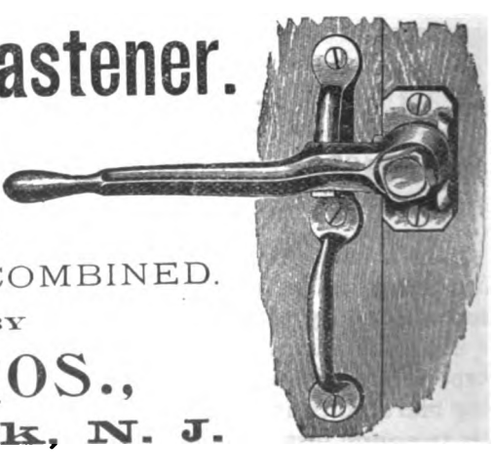
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Newark, N. J.



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3000 Varieties,
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This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

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FOREHAND ARMS CO.,

WORCESTER,

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Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

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Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free,** express charges **unpaid,** a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.



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Against sneak thievery by the use of

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Sample by mail 75 cents. Illustrated circular and price list sent on application.

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SHOE NAIL
TACK & NAILS MACHINES.

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WM. A. SWEETSER,
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have many exclusive improvements which the experienced rider cannot fail to appreciate.

PRICES:
MENS'
$100,
$90,
$75.
26 in. Boys'
$50.



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LADIES'
$100,
$75.
26 in. Girl
$50.

22-Pound Road Racer with narrow tread, 4 5-8 inch wide.

DEALERS are directly benefited, and their sales largely increased by handling bicycles having an unquestioned and well established reputation. Remingtons enjoy that reputation.

Send for Illustrated '95 Catalogue free. Agents wanted in unoccupied territory.

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ESTABLISHED 1827 E.S. 1827 & Co. INCORPORATED 1889

EDWARD SMITH & CO.,
Varnish Makers
—AND—
Color Grinders,
TIMES' BUILDING, NEW YORK.

WATERBURY BRASS CO.,
296 Broadway, New York.
Manufacturers of Sheet Brass, Brass and Copper Wire, German Silver and German Silver Wire.
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HICKS PRIMERS, Berden Primers, Powder Flasks and Shot Pouches.
TAPE MEASURES.
EYELETS AND SMALL BRASS WARES OF EVERY DESCRIPTION.

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Roller Skates
Are Having Their Innings Now.

The SIDEWALKS DEMONSTRATE that on any Bright Day

A Full Line on Hand.

THE SAM'L. WINSLOW SKATE M'F'G. CO. ICE AND ROLLER SKATES WORCESTER, MASS.

Catalogue Sent on Application.

DEALERS Who Wish to Keep up with the times must have a stock of Roller Skates on hand. ? ? ?

The Demand is sure to come.
Prepare in time to meet it.

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HARDWARE

VOL. X. MARCH 10, 1895. NO. 11.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY,
No. 143 CHAMBERS STREET, NEW YORK.

BRANCH OFFICES:
CHICAGO, - - - - - - No. 60 WABASH AVENUE.
BOSTON, - - - - - - - No. 103 MILK STREET.
CINCINNATI, - - - - - No. 101 NEAVE BUILDING.
LONDON, - - - Nos. 9 & 11 FENCHURCH AVENUE, E. C.
MELBOURNE, - - - - - - McLEAN BROS. & RIGG.

Subscription, - $1.00 per year.
Subscription, Foreign, $1.50 per year.

THE CIRCULATION OF "HARDWARE" IS LARGER THAN THAT OF ANY OTHER PAPER IN THE UNITED STATES DEVOTED EXCLUSIVELY TO THE HARDWARE TRADE.

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We are compelled, by sad experience, to urge all parties who send HARDWARE electrotypes or cuts of any character for illustration, either in our reading or advertising columns, to be very careful in regard to the wrapping and tying of the same. Hardly a day passes without the loss of some cut of this character, which we know has been started in this direction, but becomes lost in the mails, through insecurity of wrapping. There is constantly on exhibition in the New York post-office a miscellaneous lot of articles of this character, for which no owner can be found, and for which somebody is perhaps anxiously waiting. A strong manila envelope with a clasp at the end, such as can be purchased in almost any stationery store, is by far the best medium by which cuts of this character can be sent. By paying attention to this suggestion, and seeing that the cuts are securely wrapped, no matter in what covering they may be sent, our friends will confer a great favor upon HARDWARE, and save incidental loss and annoyance to themselves.

In Massachusetts drummers are offering a "dropped" German pocket knife made entirely of metal, for twenty-five cents per dozen. Cheapness is now the by-word of all classes of commercial travelers in that section. As a rule, however, the articles are poor in quality and if bought at all by the consumer ought to be done so by the bushel, as they wear out quickly or come to pieces suddenly. New York department furnishing stores are sending out large quantities of catalogues of cheap goods to the Eastern small dealer, but the carelessness in filling orders is such that a duplicate is seldom given. Only a fraction of the order is sent at first, the rest to follow, and thus double freight charged, etc. are incurred. The goods also are of inferior quality.

There seems to be a paralysis of reason among certain classes in New England. One manufactory in Rhode Island which on account of dearth of orders has been shut down for some time, has caused some solicitude among the employes, and it has been suggested that the taxes on that property be advanced to a point that will impel the owners to start up on full time. Such agitation is not of a character to induce the enterprising manufacturer, a new comer, to locate new industries in the East while the South is enumerating its advantages in the way of contiguous coal, cheap labor and generally no taxes, to all with enterprise and capital.

The Business Man Shall Lead Them.

The members of the New York Stock Exchange sent up a mighty cheer when the clock was on the stroke of 12 of Monday, March 4th, in sharp punctuation of the fact that at that hour the late but not lamented Congress passed into the shades of history. Certain state legislatures of the West have passed resolutions of congratulation, that the possibilities for mischief by the departed national legislature, were at an end. The people everywhere heaved a sigh of relief; and no doubt even President Cleveland felt ten years younger, when he really knew that this Congress was no longer—to borrow his own phrase—"on his hands."

And why this general joy? The history of the two years past is the answer. Beyond that statement little should be said;—when death enters the household into which mourning does not also come, it is not wise to enter too closely into details. The body that promised so much for good and performed so little, has gone the way of all unfaithful things, and the less said concerning it, the better. It is wiser to face the more cheerful future. Our government is now in a position when a minimum of evil from those having it in charge, may be looked for. With the presidency and cabinet in the hands of one political party, and the Senate and House in those of another, the object of the Constitution seems to have been attained—the check of the one upon the other, and no excess of partisan legislation or policy possible. The two great questions of the moment—our national finances and the tariff—may perhaps be now so handled as the business interests of the country shall direct; there is even a chance that the business man rather than the professional politician shall have the direction of affairs. If this shall prove

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to be so, we shall be upon the edge of the millenium, when Democrat and Republican shall lay down side by side, and the business man shall lead them.

Russell & Erwin Annual Meeting.

At a meeting of the Russell & Erwin Mfg. Co., held Feb. 27th, the following officers and directors were elected:

President: Henry E. Russell.
Treasurer: George J. Laighton.
Assistant Treasurer: T. S. Bishop.
Secretary: Theo. E. Smith.
Agent: William G. Smythe.
Directors: H. E. Russell, W. G. Smythe, J. A. Pickett, G. J. Laighton, T. S. Bishop, Theo. E. Smith, G. B. Germond.

Mr. Russell was chosen to the presidency to fill the vacancy caused by the death of Mahlon J. Woodruff. At the meeting of the stockholders the following resolutions were adopted:

Whereas, Mahlon J. Woodruff, the president of this company, died at his residence in New York on the twenty-first day of February, 1895, in the fifty-ninth year of his age: therefore, be it

Resolved, That the stockholders of the company, in their annual meeting assembled, hereby express their high appreciation of his successful cooperation in the management of its affairs extending over many years of service, and place upon their record this tribute to his integrity and devotion to every trust with which he has been connected.

At a meeting of the directors the following resolutions were adopted:

Whereas, M. J. Woodruff, president of this corporation, died at his home in New York City on the 21st day of February, 1895, at the age of 58 years; and

Whereas, Mr. Woodruff has been continuously in the service of the corporation since 1856 and has been for eight years its treasurer and for two years its president, and that some expression by his associate directors of the value of his services and character may have place in the records of the corporation; therefore be it

Resolved, That in his death the corporation loses a wise supporter and counselor, and his virtues had so won our esteem that we feel the loss of a personal friend.

Resolved, That these resolutions be inserted upon the records of this board and that a duly attested copy be presented to his family.

Another Big Boston Banquet.

The New England Iron & Hardware Association make announcement that the annual banquet of the Association will be given at the Exchange Club, Batterymarch and Milk Streets, Boston, on Tuesday, March 19th. The price of tickets has been fixed at $5 each, and they may be obtained from the secretary, Frederic H. Butts, No. 500 Atlantic Avenue, Boston, or through any member of the Association. "Applications for tickets must be made before March 15th, and it is hoped that all members of each firm and as many friends as possible will attend. Those who attended the last annual dinner will recall that occasion with pleasure, and it is expected that the 1895 dinner will be even more delightful. The committee promise their best efforts and earnestly request the enthusiastic support of every member of the Association. A reception will be held at 5 P.M. and dinner will be served at 6 P.M. Covers will be laid for one hundred, and an elaborate menu has been arranged by the club chef, and an orchestra will be in attendance." Among the speakers already announced are Col. Henry A. Thomas, private secretary to the Governor of Massachusetts; Judge Asa French, Boston; Major Edward Buford, Nashville, Tenn.; Rev. A. A. Berle; Capt. John Bigelow, U. S. A., Boston: R. R. Williams, and Webster R. Walkley, of New York. The entertainment committee consist of Charles Clarke Adams, Charles H. Bolles and Albert M. Wiley. The reception committee: Joseph K. Whipple, Leon C. Carter, Frederic A. Walker, Roland H. Boutwell and Dudley H. Bradlee.

Hardware Club Notes.

The annual meeting of the Hardware Club of New York will be held on Saturday, March 16th, at the club rooms, in the Postal Telegraph building. A number of proposed amendments to the constitution are to be voted upon, and five governors are to be elected. The committee appointed for the nomination of gentlemen to fill the vacancies, have unanimously recommended that those whose terms have expired shall be elected to succeed themselves, as the following report will show·

NEW YORK, February 23, 1895.

To the Board of Governors of the Hardware Club: Gentlemen: The committee chosen to nominate five members for election to your Board, report that they have selected the following named gentlemen:

ALFRED D. CLINCH,
CHARLES DALY,
BRACE HAYDEN,
MORTIMER C. OGDEN,
WEBSTER R. WALKLEY.

Respectfully yours.

Frank H. Thompson, Geo. B. Germond, Geo. Munson, Geo. A, Graham, James D. Foot, Committee.

The following gentlemen were unanimously elected members of the Hardware Club, at a meeting of the board of governors, held on March 7th:

Thomas F. Byrne, No. 93 Nassau Street.
Henry Drisler, Jr., Franklin Square.
Wm. H. McDonough, No. 38 Park Row.
Blinn Yates; Lyman D. Morse Advertising Agency, Potter Building.
James Rodgers; Harper Bros., No. 329 Pearl Street.
George L. Bosworth, Holyoke, Mass.
Edward H. Cole; Eaton, Cole & Burham Co., No. 61 Beekman Street.
Edward F. Cole; Eaton, Cole & Burham Co., No. 61 Beekman Street.
William H. Douglas; Eaton, Cole & Burham Co., No. 61 Beekman Street.
Charles E. Aaron, No. 8 Ferry Street.
Frederic W. Benham; Shelton Co,, Derby, Conn.
E. D. Forest Shelton; Shelton Co., No. 280 Broadway.
Willis B. Marvin; Herring-Hall-Marvin Safe Co., No. 365 Broadway.
Hon. Horace Russell, No. 280 Broadway.
A. A. Mills, Pittsfield, Mass.
Robert Noyes Fairbanks, No. 311 Broadway.
William D. Peck, No. 257 Broadway.

Elsewhere, the American Indicator Co., Lawrence, Mass., call attention to their Little Gem Cyclometer, which they describe as follows: "An attractive and neat celluloid dial, double brass telescope cases nickeled, bright steel fastenings and as handsome an instrument as there is on the market to-day. Its spoke connection is different from any other and is mechanically superior to any other cyclometer made. The design of the whole is very attractive and pleasing. We wish to call your attention for a moment to the size, 1½ inches diameter. The desire of the cyclist is to have everything connected with his wheel as small and compact as possible. Instead of attaching his wheel to a cyclometer, he wants to attach the cyclometer to his wheel, and we have aimed to meet that demand. To our customers who sold so many of our last year's model for $2, we would say, don't fail to see this year's for $1.25. It beats the band."

Bigger & Bingham, Washington, Pa., a young and enterprising firm, are having a fair share of trade. They carry a full line of Hardware, paints, oils, glass and house-furnishing goods. They are "hustlers," and will win their share of business.

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Mahlon J. Woodruff.

The death of Mahlon J. Woodruff, president of the Russell & Erwin Mfg. Co., did not come as a surprise to the members of the great trade in which he held so prominent a place, as announcement had been made from time to time of his serious condition, and the probability that no favorable result could be looked for. This fact in no sense lessens the very general sorrow which is felt by the many personal and business friends that Mr. Woodruff has made in his long and successful career. His death occurred on Thursday, February 21st, at No. 20 East Eightieth Street, New York, as announced in our issue of February 25th. We take occasion at the present moment to pay to his memory such tribute as neither time nor space permitted in the previous issue. Mr. Woodruff at the time of his death had not yet reached his sixtieth year, having been born on July 7, 1836, at Sherman, Chautauqua County, N. Y. While he was still a youth his father and family moved to Geneva, Ohio, where he received his education in the well-kept schools of that time and neighborhood. As an aid to the furtherance of his ambition, he engaged for a time in teaching school, and soon after attaining his majority, came eastward in search of a location and position in which he could make the best use of the natural powers which were within him. He went to New Britain, Conn., where he secured the position of bookkeeper with the Russell & Erwin Mfg. Co. His industry, ability, and the enthusiasm which he devoted to the work in hand, soon marked him for promotion, and from that time forward his growth in responsibility and influence was a matter of course. In 1874 he became the general manager of the company's house in this city, which position he held until his death. On the death of Cornelius B. Erwin, in 1885, he became the treasurer of the company, and on the death of Henry E. Russell, in 1893, he was elected to the presidency.



MAHLON J. WOODRUFF.

While a resident of New Britain, as in after years, Mr. Woodruff gave the best that was within him to the service of the company of which he had become a part. Nothing was permitted to stand in the way of the interests of the company. On coming to New York he found himself in a new and wider field of usefulness, as previous to that time he had been connected only with the manufacturing department, while in the new position his attention was given to the marketing of the company's products. How well he fulfilled those duties his twenty years' service in this city shows, He was, in the broadest sense, a business man of the advanced type; was greatly interested in every question which pertained to the development of the manufacturing interests of America, and was an earnest advocate of protection for American manufacturers. He had great natural strength of character, while a fine physique permitted him to accomplish a large amount of work, and to bear the strain of close application to business. His judgment was well balanced, he had the courage of his convictions, and his decision of character was a prominent feature of his make-up. He was reserved towards strangers, but those who met him in the intimacy of personal friendship, found in him a pleasant companion, whose cheerfulness was only equaled by his generosity and kindness of heart. He was a member of the Hardware Club of New York and of the Ohio Society, and was interested in the Menantic Steamship Co. of England; but none of these interests were permitted for a moment to stand in the way of his entire devotion to the great company of which he was so important a part. In 1865 Mr. Woodruff was married to Miss Geneva Wright, of Connecticut. who survives him. Two children are the fruit of their union, John S. Woodruff, now a member of the bar, and Mrs. Arthur F. Hogan. The funeral of Mr. Woodruff was held at his late residence on the afternoon of February 24th, and was largely attended by his friends in the Hardware trade, among whom were representatives of the Ohio Society and the Hardware Club. The body was then conveyed to the family burying ground in New Britain. It is needless to say that the sympathy of the entire trade is with his afflicted family, and his business associates, in this their great loss.

A Fisherman's Equipment Guide.

Edw. K. Tryon, Jr. & Co., Nos. 10 and 12 North Sixth Street, Philadelphia, Pa., have issued a most complete and comprehensive catalogue and price list of their well known Fishing Tackle Specialties—it might well be called "the fisherman's equipment guide." The list includes: tarpon hooks, split bamboo rods, split and glued bamboo rods, steel rods, special wood rods, lancewood and greenheart rods, special trunk rods, reels of all sizes and descriptions, lines of all qualities, hooks innumerable, minnow gangs, flies to tempt the unwary fish, spoon baits, spoon hooks, floats, cut leaders, nets, including inland seines, minnow seines, fyke nets, set nets, dip nets, landing nets, etc., etc., net frames, sinkers, rod mountings, rod cases, tips, joints, and wood for rods, bait pails and traps, fly and tackle books, mackintosh wading stockings and pants, bait boxes, baskets, gaffs, spears, etc., etc. Fishermen should examine this useful book before making purchases.

Alonzo T. Young has opened an office and salesroom at No. 19 Pearl Street, Boston, where he will represent several manufacturers of standard specialties in the Hardware line, the list including the Penn. Hardware Co., Reading, Pa.; Bomer Bros., Brooklyn, N. Y.; Standard Mfg. Co., the Multi-Stroke Bell Co., and Bennett Mfg. Co. Mr. Young for many years represented the Yale & Towne Mfg. Co. in Boston, and is well and favorably known to the trade.

On January 1, 1895, W. W. Ferry became a member of the firm of C. W. Dunlap, No. 88 Chambers Street, New York. He was with Mr. Dunlap from 1879 to 1888, and for six years past was the New England manager of the St. Louis Stamping Co., with headquarters in Boston.

George W. Hays & Co., Washington, Pa., report business improving, with good outlook for spring trade. They handle a full line of general, fancy and builders' Hardware, house-furnishing goods, and paints, oils and glass, and deserve the success they are having.

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Cycle Board of Trade Meeting.

At the meeting of the Board of Trade of Cycle Manufacturers, held in New York, February 27th, a great deal of business was accomplished. It was decided to hold two shows, both of them in January, one in the East and one in the West. This plan meets with the endorsement of the manufacturers generally. Permanent offices have been engaged in New York. Ernest R. Frank was appointed assistant secretary. He will be at the Board of Trade offices at all times in order to carry on the routine business of the office. The following resolution was adopted:

We, the undersigned, active and associate members of the National Board of Trade of Cycle Manufacturers, do hereby mutually agree to and with each other, that no firm, corporation or agent controlled by any of us at any time, and neither of us individually, shall apply for rent or equip any space, location or exhibit any bicycles or parts of articles to be used therewith, or in any way patronize or take any part in any national, sectional or local cycle show, anywhere within the United States, at any time between January 25, 1895, and May 1, 1896, which shall not have been approved by and given under the auspices or sanction of the Board of Directors of the said National Board of Trade of Cycle Manufacturers. In witness whereof we have hereunto set our hands this 25th day of January, 1895.

Pope Mfg. Co., Gormully & Jeffery Mfg. Co., E. C. Stearns & Co., A. G. Spalding & Bros., Western Wheel Works, John P. Lovell Arms Co., H. A. Lozier & Co., McKee & Harrington, Keating Wheel Co., Eagle Bicycle Mfg. Co., Grand Rapids Cycle Co., Sterling Cycle Works, Warwick Cycle Co., Liberty Cycle Co., Humber & Co., America, L't'd, Indiana Bicycle Co., Eclipse Bicycle Co., Garford Mfg. Co., Peerless Mfg. Co., Union Cycle Mfg. Co., Hill Cycle Mfg. Co., Hartford Rubber Works Co., Geo. N. Pierce Co., Monarch Cycle Co., Buffalo Cycle Co., Pratt & Whitney Co., American Dunlop Tire Co., John S. Leng's Son & Co., Bridgeport Gun Implement Co., Brown Bros. Mfg. Co., Armstrong Cork Co., H. L. Young, I. A. Weston, Black Mfg. Co., James Cycle Importing Co., E. J. Lobdell, Cullman Wheel Co., Empire Bicycle Mfg. Co., Anglo-American Iron & Metal Co., Remington Arms Co., Bicycle Chain Lightning Co., R. H. Wolff & Co., Ltd., A. M. Sheffey & Co., the George Pearce Co., Queen City Cycle Co., Eugene Arinstein, St. Louis Ref. & W. G. Co., Schoverling, Daly & Gales, Hunt Mfg. Co., Cushman & Denison, Dauntless Bicycle Co., Strubey & Foote, W. W. Whitten Cycle Mfg. Co., Newton Rubber Works, Hoffman Bicycle Co., Starr Cycle Co., Demorest Mfg. Co., H. G. Shepard & Sons, Acme Mfg. Co., Rockford Tool & Sundry Mfg. Co., The Yost Mfg. Co., United States Tire Co., Speirs Mfg. Co., Elkhart Cycle Co., Bridgeport Brass Co., Excelsior Needle Co., Gendron Iron Wheel Co., Central Cycle Mfg. Co., the Braddock Hose Supporter Co., the Gilbert & Chester Co., Butler & Ward, the Wilcox & Howe Co., E. B. Preston & Co., Simonds Rolling Machine Co., Century Cycle Mfg. Co., Lindsay Bros., Elmore Mfg., Co., the Mechanical Rubber Co., George Barnard & Co., Capitol Mfg. Co., the Garvin Machine Co., J. H. Williams & Co., Premier Cycle Mfg. Co., Edwin Oliver & Co., Burtis & Zimmerman, Marion Cycle Co., Fox Machine Co., Telegram Cycle Mfg. Co.

Letters were read from Chicago, Pittsburg, Baltimore, Washington, Buffalo and Cleveland, asking that one of the national cycle shows be held in their city the coming year. The whole matter was referred to the Executive Committee, which consists of A. G. Spalding, R. Philip Gormully, George Pope, R. L. Coleman, Jos. McKee, W. F. Wilson and W. A. Redding. They were instructed to confer with the recently appointed committee of the League of American Wheelmen, and a meeting will be arranged for an early date.

President A. G. Spalding, W. J. Bruff, New York City; R. Philip Gormully, Chicago; Joseph McKee, New York City; E. C. Stearns, Syracuse; C. Dickerson, Chicago; George Pope, Boston; W. A. Redding, New York City; George H. Day, Hartford; F. K. Stimpson, Chicago, and Secretary A. Kennedy-Child, Hartford, were present.

The Roller Skate Again.

The unusual facilities for skating during the past winter, have developed in both old and young a great desire for this method of healthful outdoor recreation, and now that warmer days are here, and the ice is disappearing, the skaters, and the children especially, have turned unanimously to that other form of healthful amusement—roller skating. The extent to which this amusement is practiced by the young people from fifteen years and under, need not be dwelt upon for anybody who has occasion to pass along any well-laid pavement in New York City or elsewhere during these days. There are, also, indications at hand that roller skating is on the increase, and although not a craze, bids fair eventually to become one of the standard amusements of the year. It certainly is a healthful and innocent amusement either for old or young. Dealers who are at all interested in keeping up with the times would do well to keep an eye upon this branch of the business, and be ready to meet demands which are certain to come. The Samuel Winslow Skate Mfg. Co., who are the pioneers in this line of manufacture, and who have certainly done as much for the skate industry of America as any organization existing, elsewhere announce that they are ready to take care of trade of this character. Any who desire to learn their prices and other information in regard to the present output and plans for the future, will do well to address the company at their headquarters in Worcester, Mass.

Coal-Drug.

The United States Coal-Drug Co., No. 34 India Street, Boston, are placing upon the market a Coal-Drug, which they claim is a scientific chemical compound which secures the full caloric or heat value of any coal; that a liberal quantity of coal treated with the drug, will yield a greater and more constant heat, and burn longer than the same quantity untreated. They also claim that it is "the Housewife's Friend," because it "kindles the morning fire quickly and so soon generates a cooking heat. Treated coal will ignite with one-third less wood than if untreated; makes a strong and steady heat for laundry work, is entirely safe to use." They claim it to be the coal consumers' auxiliary, because it "promotes and quickens combustion, consumes the smoke or free carbon and noxious gases, generates more steam from the same quantity of coal, keeps boilers, flues and grate bars clean, requires no alteration in plant, produces higher temperature, makes twenty per cent. less ashes, increases the horse power of boilers, makes steam quickly, displaces blowers, makes the low grades of coal as useful as the higher grades, saves labor for engineer and fireman; makes an all-around saving where coal is used, of from 10 to 20 per cent.; is inexpensive, and will be sold and delivered in any quantity from one pound to a ton, with full directions for use." This is used at present very extensively throughout Canada.

Schoverling, Daly & Gales, No. 302 Broadway, New York, have recently remodeled their store front, and have now one of the most attractive places on that portion of Broadway. They have had two large show windows put in, and six feet to the rear of this is a partition of oak and glass, the upper portion of which is permanent, and the lower having sliding panels, which gives them a place for the exhibit of goods first-class in every respect, well lighted and dust-proof. Fifteen electric lamps furnish sufficient i ght for each window.

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Porter to Partnership.—VIII.

I spent two weeks in New York, and they were two very busy weeks. From eight o'clock in the morning till four in the evening I bought and bargained, and in the evening I saw what was to be safely seen of New York life. My friend Fisher finished his business two days before I was through, but he waited for me to go home with him. I doubt if I was any happier when starting from home than I was when I bought my ticket back again.

Looking back at that ride, one of the pleasantest incidents remaining in my memory is that of meeting with an elderly woman and offering her half of my seat. She appreciated the little attention, and we were soon in pleasant chat, and when she reached her station I helped her out and felt as if we had long been friends. When she bade me "good by" she added a "God bless you!" that may have been merely a habit with her, that had no special prayer or meaning to it, but it gladdened my heart as if I were sure her words had some power to bring me good. Many of our old customs have been swept aside so that it is no longer fashionable to pay attention to any but young and pretty women, but I find it impossible for me to keep from showing respect to the women who have passed into the beauty of middle life and who have "mother" written on their faces.

As we neared our destination I saw by Fisher's actions that he had something on his mind, and wondered what it was. At last he sat down beside me and I saw it was coming.

"Marks, I shpose shtore selling pays, eh?"

"Yes, selling goods pays; Mr. Ely has got rich at it."

"Yas, das what I dinks. Good profeet, eh, in all dose tings?"

"Some things pay well, and others sell for cost, but the business averages up a good, fair profit."

"So I dinks. Now, Marks, shpose I shtarts out shtore in Yarmantown, will he pay?"

I was in somewhat of a dilemma here; Fisher expected an honest answer, yet I had to think of Mr. Ely's interest, and it certainly was not to his interest to have Fisher open a store in Germantown. I wanted to dodge an answer,

"Unless you keep everything," I said, "it would not pay. If your customers had to come to our place for one thing they would buy everything there. And our town pays a good price for eggs and butter, and this would entice trade to come there."

"Das ish all right; I would geep eferydings; croceries, poots, eferydings; say, Marks, how you like to come down to Yarmantown with me, eh?"

"I have to stay with Mr. Ely till spring," I replied, "and he can afford to pay me more than you could, Mr. Fisher."

"I will pay you nodings; I will gif you one-half de profeets."

"But I have no money."

"Das ish all right, Marks; we will find dat money; I got some money my own self; de money ish all right."

No boy ever had such offer made to him without being proud of it and considerably elated. To be partner in a store was a position I had only had very vague dreams of occupying. But I knew Fisher meant business, and the responsibility of having to decide such a question made me nervous.

"I don't know what to say to you, Fisher; I am not at all sure that I could shoulder the entire management of a store and do it successfully. Let me have a little time to think it over and I will then give you an answer. And you had better enquire around and satisfy yourself that it is wise to make such an investment. If the business should ever be started the money would all have to come from your pocket; if we made a failure of it, I have no money to lose."

"Das ish all right, Marks; dake your dime. Bimeby you find out; you yust dells me; if you say 'yah,' we will shtart de shtore, und, py jingo! we will make him lively. I gan sell myself; I knows everybody, und I sprachen Deutch like dunder."

We left it that way, and were soon at home. Home never looked so pleasant, and there was medicine in the sight of a familiar face. Mr. Ely met me as if I was his son, and was very free in his praises of goods bought according to bills already at hand. The next day I buckled to work again and found that my short experience among the salesmen East had been of benefit to me. I had laid to heart their uniform politeness, their seeming personal interest in the man to whom they were selling, and the general air about them of friendliness and good will. Perhaps it is because familiarity breeds contempt that so many of our retail clerks meet their customers with a slight nod and a manner that says, "Buy what you want and clear out," but I have yet to see a place or position, whether in the largest jobbing house or the smallest retail store, where a kind interest in one's customer does not pay, and pay largely.

As the goods I bought began to come in, we were kept very busy, and Mr. Ely universally commended my purchases. I was somewhat surprised to see the amount of goods I bought as they were unpacked. When you look at a sample and order a few dozen of a thing, it does not look large, but when the dozens are piled on your counter you are apt to wonder what you could have been thinking of. I found I had laid in a much larger stock in the notion line than I had intended to and much more than we had ever bought at any one time before. But Mr. Ely found no fault, and I made up my mind I would make a special push on those goods and that I would make them go if work could do it.

All these days I said nothing to anyone about Fisher's offer, but I determined to seek counsel. Mr. May had always taken such a kindly interest in me from the time of finding his wife's money that I determined to speak with him. Unlike most lawyers, he had excellent business instinct, and would have made an extra good merchant. He heard me through, saying little, and then questioned about the goods the people down in Germantown bought. Said he:

"If I were you I would talk the matter over with Mr. Ely; I am not sure but that a store would pay well with Fisher's influence to help you, yet you might be giving up a better thing by taking that. Ely is a square man and will give you good advice."

I thanked him and determined to open the matter with Mr. Ely the next day.

Cigar store and other figures used for show or advertising purposes are made in a small way only in this country. There are only three firms in New York City that manufacture them. Metal figures complete, with whatever printing that is ordered on them, and in ordinary designs and shapes, can be bought for from twenty to fifty dollars, but a seven-foot Indian with paint and feathers and in artistic design is worth one hundred dollars. When the figures are made of metal they are first moulded in clay. They are then cast in plaster, and from the plaster are cast in sections in the metal. In addition to the New York firms making these metal figures, there is a factory in Chicago, one in Detroit, another in San Francisco and two in Philadelphia. There is a good export trade of these figures to Australia and New Zealand.

It is understood that a large cordage manufactory will be built in New England and be placed under the management of Mr. Parsons, a member of the new syndicate.

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Kilmer's Adjustable Lawn Fence.

The Kilmer Mfg. Co., Newburgh, N. Y., are placing on the market a lawn fencing as shown in Fig. 1. It is composed of strips of steel about one and a quarter inches wide, as shown in Fig. 2. perforated and corrugated so as to present an attractive appearance. The strips or pickets are bent over double at the top and bottom, forming an open loop about an inch in diameter. The strips are bound together by annealed steel wire, twisted between the strips, separating them a distance of 3½ inches. The strands of wire are from four to six in number, depending upon the height of the fence, making, it is said, the fence unusually strong. The fencing is so made as to entirely overcome the effects of contraction and expansion, the twist between the upright pickets being right and left hand, and by this construction the twist itself acts as a spring continually drawing the fence tight and keeping it strained up to the proper tension. If the fence becomes loose from accident it may be easily tightened by putting the wrench, shown in Fig. 3, over the centre loop of the wires, and twisting them up a turn or two. When erecting the fence over hilly and uneven ground, the wrench may be used for twisting the wires, enabling the fence to be shortened either at the top or bottom, so that the fence may be erected evenly and uniformly. If the fencing is not drawn tight when put up or stapled it can be given the desired tension by adjusting the twist. The fencing is covered with metallic paint and is furnished in heights from 2 to 4½ feet, put up in coils ready for erecting. The standard roll contains about one hundred and fifty feet, but shorter or longer lengths will be furnished as desired. The fence is intended to be erected with wooden posts, but the company furnish the post shown in Fig. 4, if desired. The post is driven into the ground about eighteen inches, and an anchor is then slipped over the post and is driven down even with the surface of the ground. The anchor is made of three wings having sharp cutting edges and, combined with the sharp point of its centre, enables it to be easily driven into the hardest ground without the necessity of cutting the earth. The manufacturers claim that the construction of the anchor is such that the post holds equally well without regard to the direction from which the strain comes, as it is resisted by two of the wings out of the three. Prices, etc., will be sent upon application.

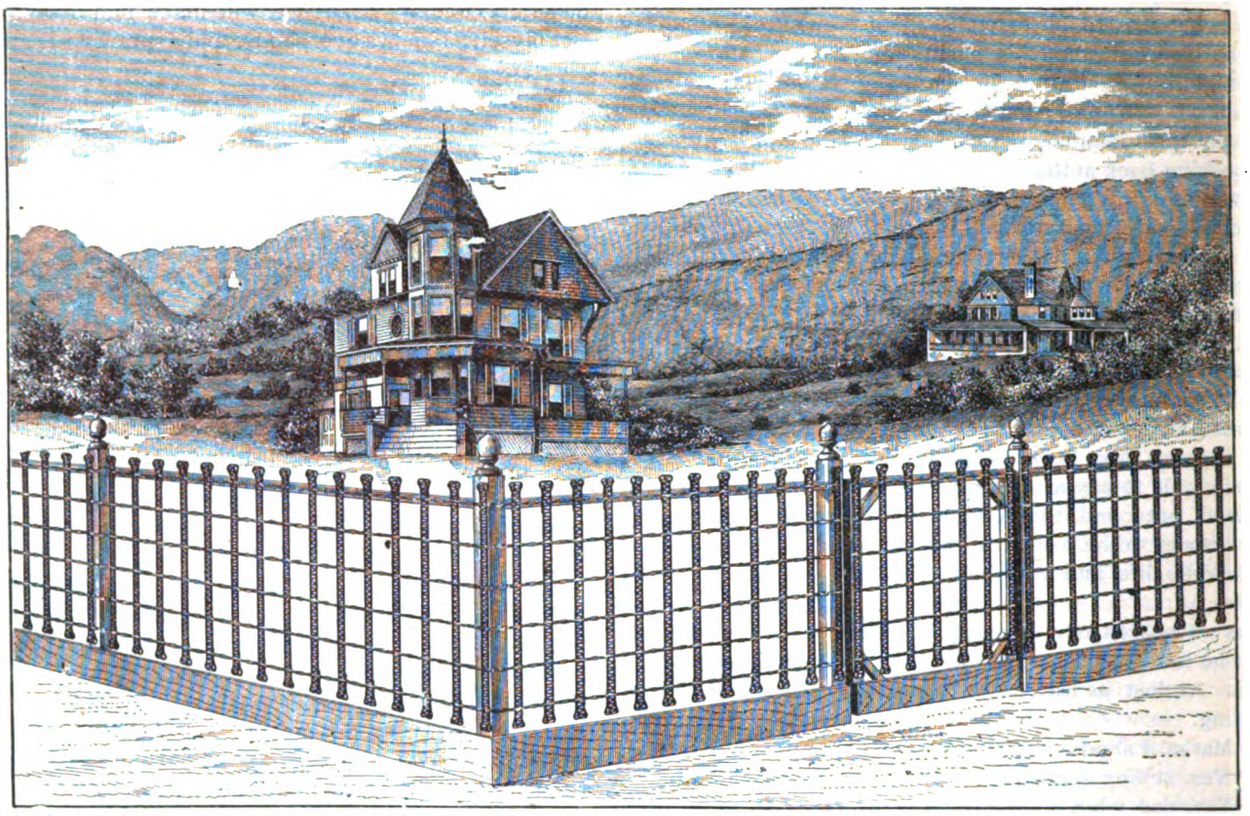


FIG. 1.—KILMER'S ADJUSTABLE LAWN FENCE.



FIG. 3.—WRENCH FOR TIGHTENING FENCE.

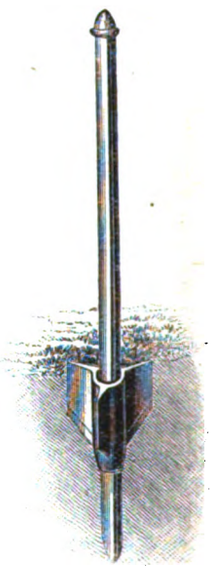


FIG. 4.—KILMER FENCE POST.

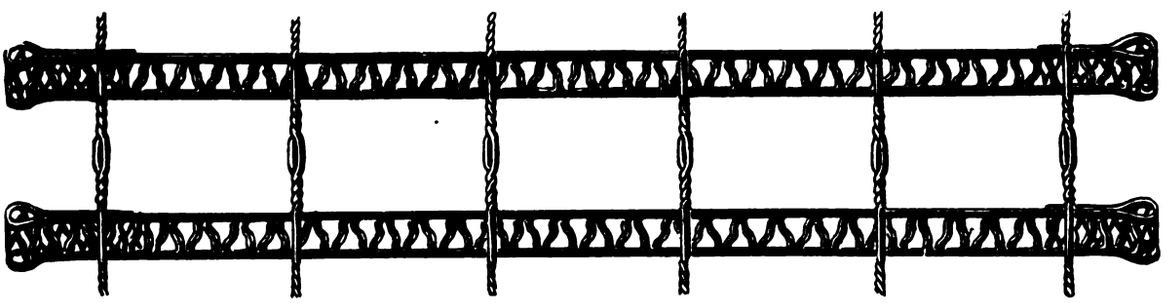


FIG. 2.—THE KILMER FENCE IN DETAIL.

The Yale & Towne Mfg. Co., Makers of Chain Pulley Blocks.

Understanding that some confusion has arisen concerning the recent sale by the Yale & Towne Mfg. Co., of a certain part of its business, we are authorized to state that the sale in question related solely to the business of its crane department, and did not include the company's business in chain blocks, orders for which latter should therefore continue to be addressed to any of the company's offices, as heretofore. The company state that the line of chain tackle blocks now made by them includes the original Yale-Weston Differential Pulley Block, undoubtedly the simplest and cheapest device possible for its intended uses, the Yale-Weston Triplex Spur Gear Block, introduced some five years ago, and which Prof. Thurston, after testing in comparison with all other blocks in the market, endorsed as "the best designed and most perfect block ever made, possessing an efficiency of nearly 80 per cent., or approximately three times that of any competitor," and the Yale Duplex Screw Block, recently introduced, intermediate in characteristics and price between the other two, and "having a better efficiency than any other screw block in the market." The characteristics of each of these three types of blocks are clearly illustrated and described in a pamphlet issued by the company and furnished on application.

Glidden Varnish Co. M. P. Special Coach.

The Glidden Varnish Co., Cleveland, Ohio, are introducing to the trade their M. P. Special Coach, put up only in one and five gallon sealed cans, and advertising the price at which it is to be sold as follows: 5-gallon sealed cans at $1.25 per gallon; 1-gallon sealed cans at $1.40 per gallon. It can be rubbed with either water or oil and pumice-stone, or left in the gloss finish, and is also susceptible to a good polish, and it is claimed can be exposed to the weather from four to six months without cracking, spotting or turning white. Considering that it is not sold for outside purposes, this fact demonstrates that a varnish that will stand four to six months outside, will stand a life-time inside and make a very elastic and durable finish. It is adapted for the cheapest as well as the finest work. The advantage the painter has in buying varnish put up in 5-gallon sealed cans is, that he is not troubled with leakage. His stock is easily accounted for. The convenience of distributing it for different jobs, his protection against cheaper substitutes, and the uniformity of the goods, as there is no evaporation when kept in sealed cans, are obvious advantages.

Partrick & Carter Sample Board.

Partrick & Carter Co., of Philadelphia, have prepared a very handsome Sample Board of some of their house goods specialties, designed especially for small dealers and those who do not as yet carry a stock of such supplies. Everything is connected and in complete working order for practical exhibition. The Board is made of hard wood, with the dealer's name and address in gilt letters. Their advertisement on page 9 of this issue shows an illustration of this new Sample Board, which will be boxed and shipped complete with battery, on receipt of price.

The Crawford Wheel & Gear Co.

On January 17th, articles of incorporation were granted to the Crawford Wheel & Gear Co., of Hagerstown, Md.: authorized capital, $100,000; incorporators, William H. Crawford, Robert S. Crawford, Geo. D. Crawford, Charles T. McCue, Charles H. Carlile, all of Hagerstown, and Lionel B. Whymper, of Brooklyn, N. Y. The company have just completed a factory and will manufacture ball-bearing axles, rubber-tired wheels, a new tubular running gear and a new ball-bearing fifth wheel, absolutely weather-proof. The new running gear is less than one-fourth the width of the present gear, and cannot possibly work loose. The president, R. S. Crawford, is also president of the Crawford Mfg. Co., bicycle manufacturers, of Hagerstown. While attending the New York Cycle Show, Mr. Crawford had one of their improved pneumatic-tired, ball-bearing wagons with him, which he showed to some of the most prominent carriage builders of the metropolis, finding everywhere a most favorable verdict on the new and patented features, and taking a number of orders. Charles T. McCue will be the manager of the new company, and L. B. Whymper will be the New York representative, at No. 72 Reade Street.

The various forms of cutters which have been so common in English and Continental kitchens are tardily becoming more general in American households. There is the cutlet cutter, an utensil very useful in shaping lobsters, salmon, the dainty sandwich when it is in the work of the long experienced cook, and so on. Then there are vegetable cutters, which in the hands of the chef will vary consomme to a great number of combinations, and renders most palatable a common soup. There is also the border mold, which is mostly made in France, and is quite expensive. A young man with tact that way can fashion this mold himself, sewing the parts, which are made of stiff cardboard, together, thus forming the shape of the mold perfectly. Two inches high and two inches wide are the proper dimensions for a border mold. Of course, the model made in this way is to be given to the tinsmith, who will reproduce the counterfeit into a mold of the proper metal. This sort of mold can be utilized for the cooking of rice, aspic jelly, curries, blanquettes of veal and stews. These are some of the molds and cutters becoming gradually known in this country, those having a wide use not being mentioned here.

No one is more particular in the choice of Hardware for his use than the carpet upholsterer. The teeth of his carpet stretcher are of finely tempered steel, well pointed, and the handle or push strong and stout, made of well seasoned oak or other wood, the utmost care being taken to have it of the proper length so that the knee against which the stretcher rests can be used freely. The hammer is well fashioned, the face being small in diameter, the length being otherwise. The tack used is readily manipulated in the mouth by the tongue, so that the head is presented, the professional carpet layer carrying this article nowhere else, and thus the awkward methods of the past generation have silently given away to what is now almost a pastime—"The laying down of a carpet!"

O. J. Faxon & Co., Boston, manufacturers of the Puritan Bicycle, report business as being very good: so good in fact that they have called in their travelling men, as they are now sold far ahead. A visit to their retail department Nos. 3, 5 and 7 Appleton Street, Boston, would lead one to imagine that it was the middle of spring, so great is the number of actual and intending purchases. The Tandem and Two Speed shown at the recent cycle show are meeting with the greatest of success.

The Broad Gauge Iron Stall Works, No. 53 Elm Street, Boston, are having great success with Worthly's "Slow Feed" Manger. They have lately put two hundred of their "Slow Feed" oat mangers in a stable in Chicago.

Charles Lawton, cutlery expert, who for about twenty years has been in the service of Hibbard, Spencer, Bartlett & Co., Chicago, has severed his connection with that company. He is reticent about his future plans.

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Shone's Automatic Mud Guard.

The Hall-Shone Co., Rochester, N. Y., are putting on the market an Automatic Mud Guard, illustrations of which here appear. Fig. 1 shows the Guard closed. Fig. 2 shows it open. The makers state that "the principal feature of this Guard is that it is always on the wheel, and when not wanted for use it can be easily and quickly rolled up out of the way into a compact form, by touching the catches attached to the lower end of the swinging arm. This Guard can be fastened to any wheel, and is the only one that rolls up." The following are the directions for attaching it: "Back Guard—Screw the back clamp containing the roller guard to the upper end of rear fork. Be sure and get on even so it will roll up straight. Then screw the clamp attached to the swinging arm to the lower end of rear forks. Front Guard—Attach the parts with the small hooks to the back clamp of roller, then run under shaft and hook on steering post. This strip, if not wanted for use, can be stripped from the wheel in an instant by simply unhooking." The Guard retails for $3 per set. Liberal discount to the trade.



FIG. 1.—AUTOMATIC MUD GUARD CLOSED.

A Glimpse at Sheffield.

The oldest firm in Sheffield, England, engaged in the cutlery manufacture began business nearly one hundred and seventy-five years ago, the workshops being in the rear of the dwellings of its two partners. Although they made at that time only the plainest sort of goods, the principle they adopted of using nothing but the best quality of steel has given them a reputation on six continents. The amount of work turned out now would have been considered fabulous twenty-five years ago. There were a few years ago twelve tons of goods in weight shipped annually to the United States. To the American the "horn room" is an interesting one, although not a pleasant one in which to remain. Twenty-five tons of elephant tusks are here worked into handles each year. In sawing these tusks the air is filled with a white spray of dust from the saws, and are not especially redolent with the odor of the Indies. The best quality is African, the second East Indian, and each tusk contains eight different qualities, the yellow part near the centre being the most valuable. Every bit is utilized, the sawyer being paid according to the economy he practises. The outside of stag horn is also used at the rate of four hundred pounds per week for pocket knives, the inside being utilized for the stiffening of cloth and as a fertilizer.

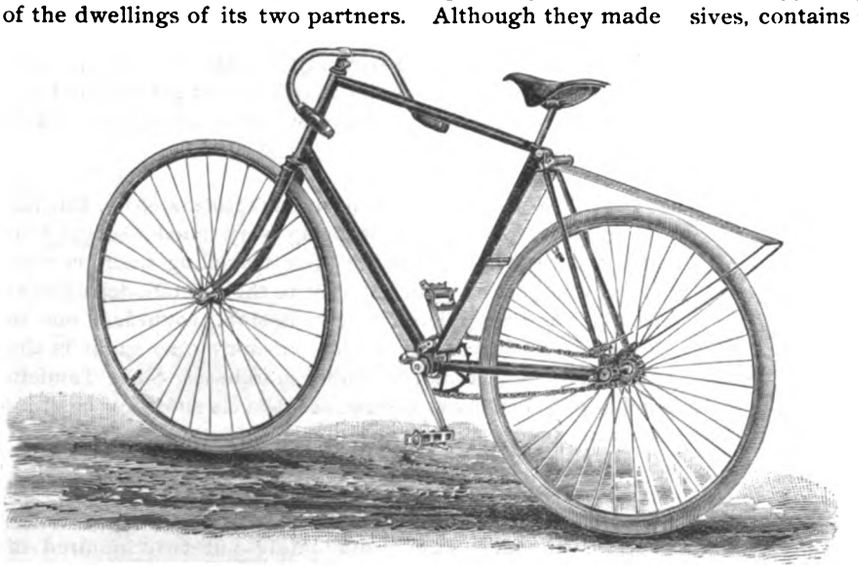


FIG. 2.—AUTOMATIC MUD GUARD OPEN.

The remainder of the routine in the making of a knife is an old story well told often, and will not be narrated here. The city itself is a busy one, begrimed with smoke and soot, and this is the rule with English manufacturing places. Like the remainder of them, it is set in a charming bit of country which the traveler never fails to note and appreciate.

South African Saltpetre.

Extensive deposits of saltpetre have been discovered in Cape Colony, South Africa, which promise to be of great value and usefulness in many industries, chief among which are the gunpowder, metallurgical and pharmaceutical, as well as in the curing and packing of beef. Hitherto the chief supply of this substance has come from Chile, but what is obtained there costs eighty dollars per ton, and has to undergo afterwards an expensive chemical operation to render it fit for practical use. The deposits found in South Africa are reported to be the true potassium nitrate.

Saltpetre is soluble in water and that found in Chile contains salts of sodium, which is an absorbent of moisture. That in Chile has numerous sulphates, and so much earth and organic matter that after it reaches its destination only five per cent. of saltpetre can be obtained that is fit for use. As "Nigger" powder, one of the most inferior of explosives, contains sixty per cent. of saltpetre, it can readily be seen that the cost of this ingredient is a chief factor.

The climate of South Africa is very dry, and this is believed to account for the rich quality of the find.

The plains of India contain saltpetre, but for some reason it is not an article of commerce.

There are a great many traveling men in New England at the present time, and novelties and combinations are being offered at absurdly low prices. For instance, a kit of gardening tools, consisting of a fairly good hoe made of galvanized iron, a rake and the other tools, are sold at seventy-five cents per dozen kits, and retail at ten or fifteen cents per kit. These tools are used to a considerable extent by ladies and children in horticultural work, but when heavy work is required it will be found that the best is the cheapest in the end.

Mr. Sharpless, of the Biddle Hardware Co., Philadelphia, has been very ill with pneumonia, but is now able to be out.

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"A Twentieth Century Girl."

The sphere of woman's usefulness is constantly widening. We have had many instances of women becoming learned doctors and famous lawyers, but until lately we have seldom heard of a successful woman commercial traveler. Miss Ella Stewart, a modest, attractive and winsome young lady of Cleveland, Ohio, has been on the road for the past five years, and her efforts have been attended with success.

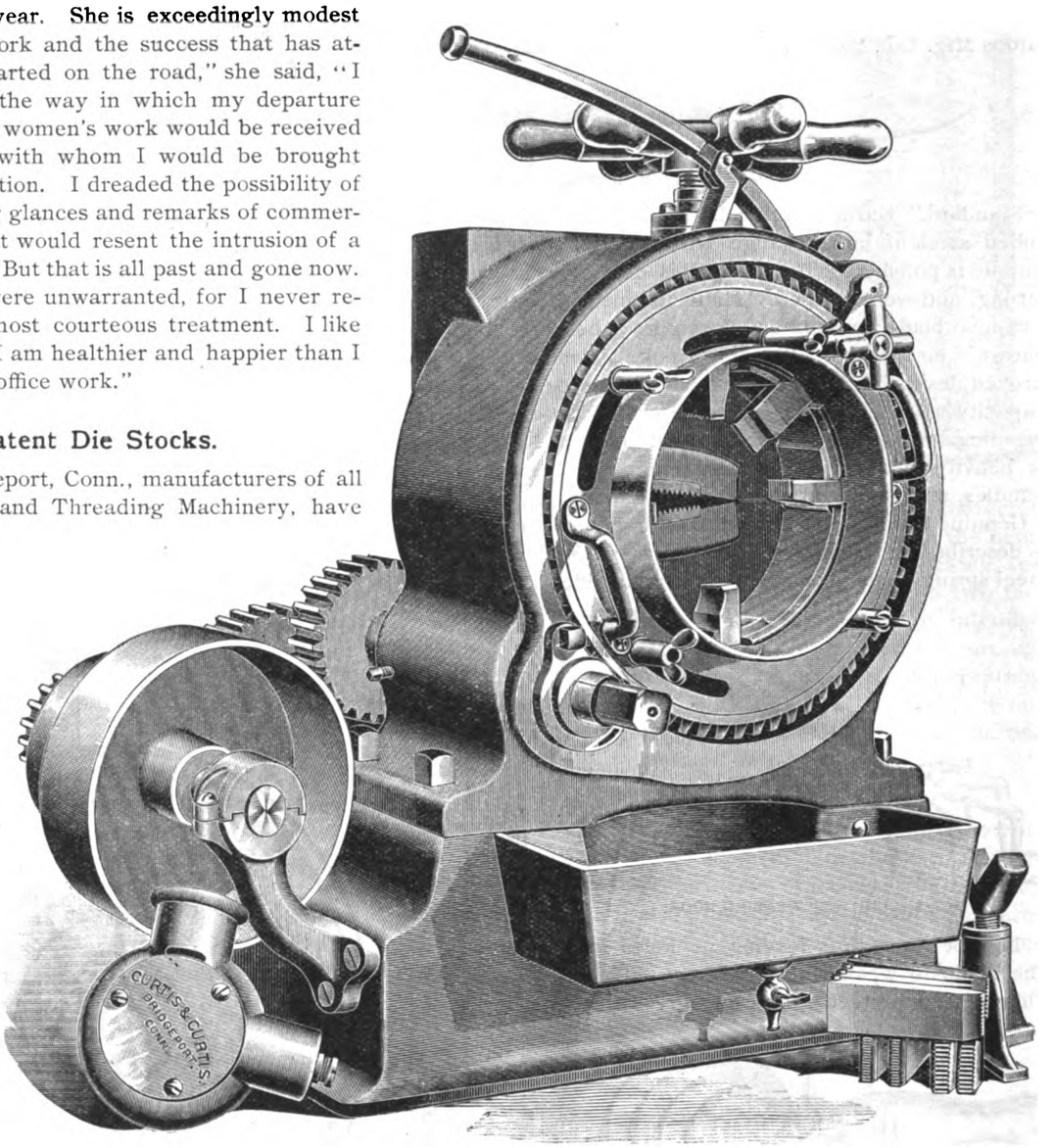
She is at present representing the Rome Mfg. Co., Rome, N. Y., the products of which concern include a large variety of Hardware specialties of copper material. Her territory includes the States of New York and Pennsylvania and a portion of Ohio. Miss Stewart has been employed by the company for about a year. She is exceedingly modest about speaking of her work and the success that has attended it. "Before I started on the road," she said, "I felt very sensitive about the way in which my departure from the beaten track of women's work would be received by the commercial men with whom I would be brought more or less into competition. I dreaded the possibility of encountering the sneering glances and remarks of commercial men, whom I thought would resent the intrusion of a woman into their ranks. But that is all past and gone now. I found that my fears were unwarranted, for I never received anything but the most courteous treatment. I like my work, and I feel that I am healthier and happier than I would be if tied down to office work."

Forbes' Patent Die Stocks.

Curtis & Curtis, Bridgeport, Conn., manufacturers of all classes of Pipe Cutting and Threading Machinery, have just brought out for their spring trade a new development of their well-known Forbes' Patent Die Stock, which we herewith illustrate. It has a number of new features, which are considered very valuable. It is known as the No. 3 F, Hand or Power Machine, and it both cuts off and threads all sizes of wrought iron pipe from one inch to six inch right hand inclusive. When this same machine is supplied with both right and left hand dies, it is then called a No. 3 G Power Machine, and when made without the power base and gearing for hand power only, it is then called a No. 3 F or 3 G hand. It is intended to stand on the end of a bench, when used by power, but when it is desired to use the machine on outside work, it can be disconnected from its base and carried to the place where the work is to be done, like any other tool, and the work done on the spot, thus saving the delay and expense of carting the pipe to the shop. As a strong boy can with ease thread or cut off six-inch pipe on this machine, the helper does this part of the work while the journeyman puts it up, thus making a great saving, which will be appreciated especially on contract work. In this machine the power is derived from a very powerful train of triple spur gearing which gives ample power for even the toughest pipe. The vise for holding the pipe is self-centering and is adjustable to and wear. The dies are adjustable to any variation of the fittings, and when the thread is cut draw back out of the way and the pipe taken out without running back. Nipples as short as seven inches can be made without a nipple holder, and with the aid of the Curtis Nipple Holder, manufactured by this firm, short or close nipples can be made. The following table carries its own explanation:

Number.	Range.	W'gt-Power.	Price, Hand or Power.	Price, Hand only.
3 F Power.	1-6 R. H.	515 lbs.	$250.00	$190.00
3 G Power.	1-6 R.&L.	520 lbs.	285.00	235.00

The Whitman & Barnes Mfg. Co., with headquarters at Akron, Ohio, have not built up their great business by accident, but through a very shrewd idea as to how a business of that character should be conducted. The managers have a very pronounced idea in favor of good trade literature. It is, therefore, a compliment to HARDWARE of no small character, when the fact is mentioned that it is read quite frequently at the noon meeting of the heads of departments, which is held each day after lunch, when matters of general interest are brought up, or read and discussed. In a recent letter from the company concerning this course of action they state that they "have found several good items of interest, especially the one that was published some time ago regarding the advice of an old merchant to young clerks, which is certainly very good."



FORBES PATENT DIE STOCK.

J. P. Kenworthy, who is so well known to the Hardware trade of New York, has formed a connection with C. T. Knobel & Co., No. 530 Hudson Street, New York, manufacturers of choice brands of cigars.

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NEW GOODS IN THE MARKET.

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

The Gibbs New Specialties.

We are permitted to herewith illustrate still others of the seasonable specialties being placed upon the market by the Gibbs Mfg. Co., Canton, Ohio. In Fig. 1 may be seen their



FIG. 1.—"STANDARD" GARDEN TROWEL.

"Standard" Garden Trowel. It is made of fine cold rolled steel of heavy gauge with sharpened edge. The handle is polished. The Trowel is described as stiff and strong, and well finished. Made in one size only with a five-inch blade; packed one dozen in a box. In Fig. 2 is shown their "Active" Weeding Hook. It made of an improved design with a wide spread of fingers, that greater capacity may be given. It is described as excellent for weeding or loosening the soil around plants and vegetables; is heavily tinned; has refined malleable iron enameled handles, and is packed one dozen in a box. Fig. 3 is the "Genuine Spring" Curry Comb, with patent knocker. It is described as follows by the makers: "The fine tempered steel spring blade is clamped in the malleable shank without

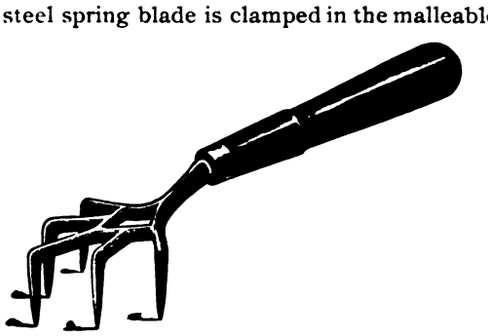


FIG. 2.—"ACTIVE" WEEDING HOOK.

a bolt or rivet, thus leaving no holes in the blade to weaken its efficiency. This clamp is guaranteed secure and gives the

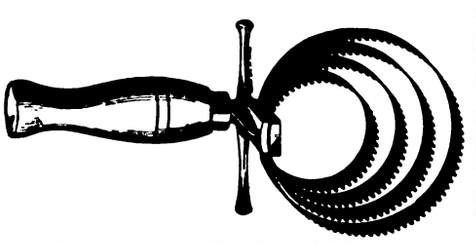


FIG. 3.—"GENUINE" SPRING CURRY COMB.

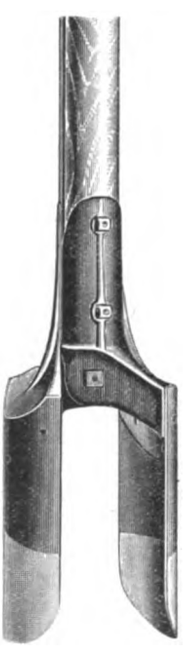


FIG. 4.—"CANTON" POST HOLE DIGGER.

comb greater flexibility and strength. The knocker gives a peculiar motion to the blades that instantly throws out the dirt and hair, while it at the same time protects the blade from injury when pounded on direct, especially in cold weather. Has greater flexibility, consequently easier on the horse, fitting every curve or uneven place." In Fig. 4 is found the "Canton" Post-Hole Digger. The manufacturers say that it is cheap in price, but not in materials; that it has split handles opening past each other, instead of apart, bringing strain on thick way of handle; shanks in round form to fit handles, enables them always to be kept tight in case of shrinkage; shoulder on castings to take the jar instead of on the bolts; steel joint bolt with jam nut to prevent loosening; oiled handles; full warranted; length of steel blade, 9 inches; whole length, 5 feet; weight, nine pounds each. Fig. 5 is of their "Quick-Cut" Can Opener. It is

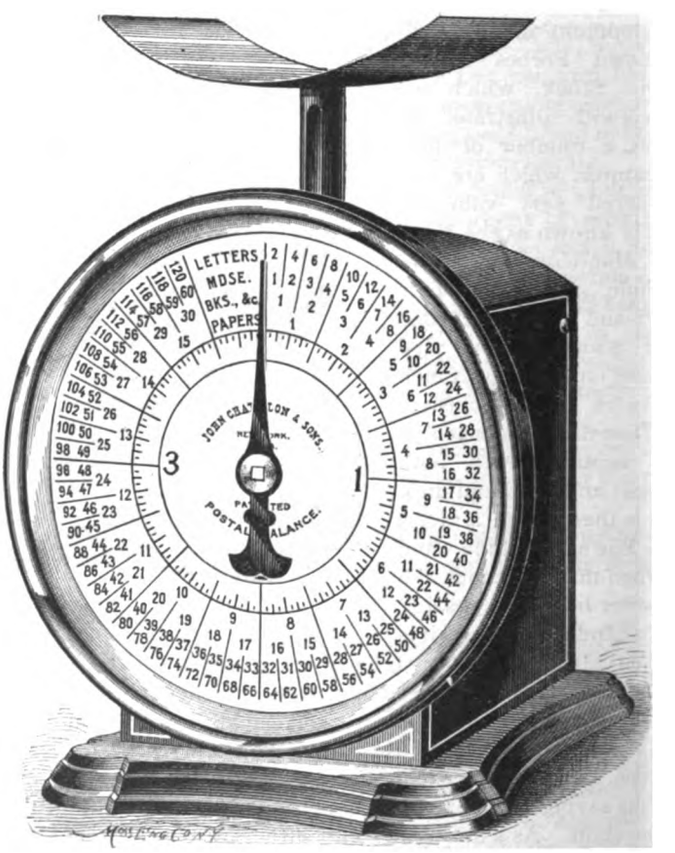


FIG. 5.—"QUICK CUT" CAN OPENER.

heavily nickel-plated; fine steel blade case hardened and tempered; packed in fine display boxes, one dozen each, to be placed on counter for quick sales. "Will open any shaped can, on top or side, and works equally well right or left hand. Cuts smooth and close up to the edge, turning the edge out so that the contents may be easily removed without being torn or disfigured."

New Favorite Postal Balance.

John Chatillon & Sons, Nos. 85–93 Cliff Street, New York, are putting on the market a New Favorite Postal Balance. The body is made of sheet steel, in gold and other colors or japanned. The dial is white, distinctly marked with large black figures. The outer row of figures is for first-



class matter indicated in cents. The remaining rows are for merchandise, books, papers, etc. The inner circle gives the actual capacity of the scale, 4 pounds, by half ounces.

Philadelphia Lawn Sprinkler.

The Philadelphia Lawn Mower Co., Philadelphia, Pa., are offering the Philadelphia Lawn Sprinkler which here appears. The Sprinkler is made of brass and consists of a

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cone shaped nozzle with a nipple screwed in its center Figs. 1 and 2. Screwed to the nipple is a perforated disk forming the discharge end. Fig. 3 shows the sprinkler in operation. The perforated nozzle separates the water into solid streams, which as they strike the upper cone,



FIG. 1.



FIG. 2.

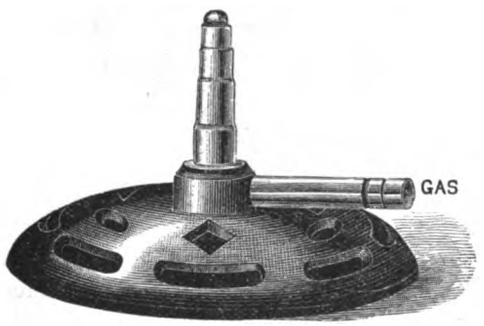


FIG. 3.

are converted into spray, while the water which passes through the nipple forms a center spray as it passes through the finer holes of the upper cone. By raising or lowering the cone the space to be sprinkled may be regulated.

Combination Gas Stove Stand and Drop Light.

Joseph H. Seed, Nos. 21 and 23 Centre Street, New York, is manufacturing a Gas Stove Stand and Drop Light com-



bined. This little article is described as being "a useful device for holding the Vesuvius Gas Stove when it is not desirable to use the ordinary gas bracket; can be connected by rubber tubing to gas supply and placed in any position, and is also used as drop light for reading, sewing, etc." Price, 25 cents each.

New Can Openers.

The Brown & Dowd Mfg. Co., Meriden, Conn., have recently introduced the "Queen," a new Can Opener and the

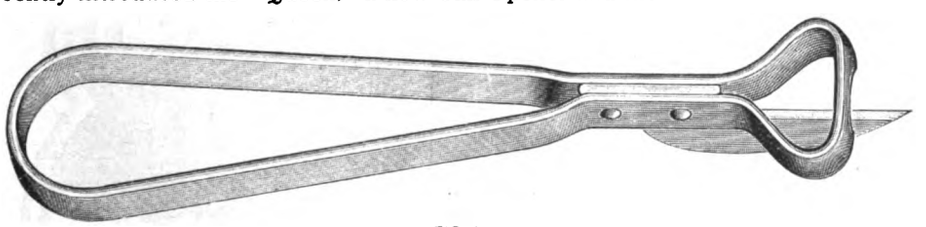


FIG. 1.

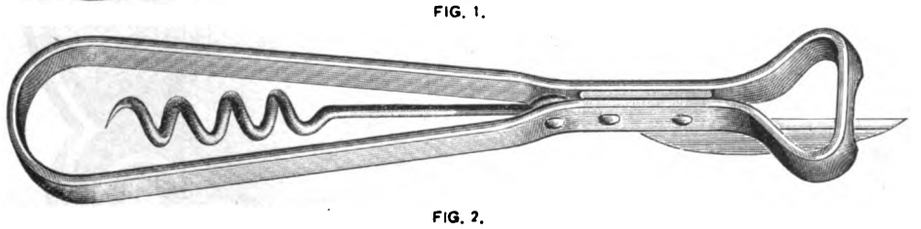
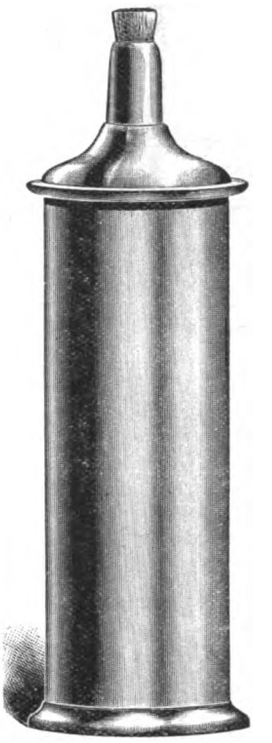


FIG. 2.

"King," a combination Can Opener and Corkscrew, illustrations of which are here shown. The manufacturers state that these tools are made from a single piece of steel, to which a blade of tempered cast steel is firmly riveted. The corkscrew when not in use may be closed into the handle, and does not in any way interfere with the use of the can opener.

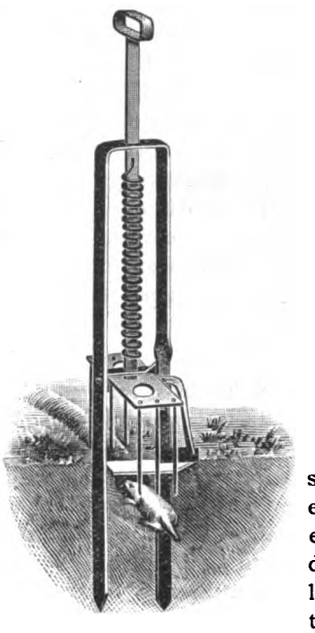
Handy Pocket Torch.

The Kendrick Valve & Washer Co., Syracuse, N. Y., are manufacturing the Plumber's and Steamfitter's Handy Pocket Torch, illustration of which is shown here. This torch is designed, the makers say, "to do away with the candle. It will burn gasoline or kerosene. To fill the torch unscrew the bottom and put in enough oil to thoroughly saturate the cotton."



The Reddick Mole Trap.

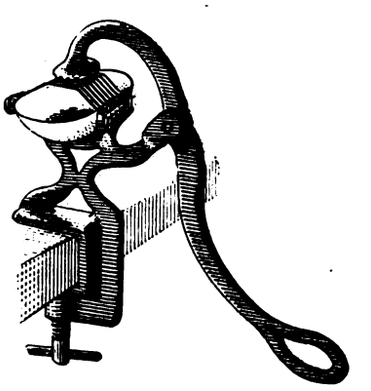
The Michigan Wire Shovel Co., of Niles, Mich., are putting on the market the Reddick Mole Trap. This trap has been cheapened and



simplified. It is constructed entirely of metal and the makers say that it is strong and durable. The trap is two feet long over all, and is intended to be set over a mole run and to be sprung by the animal passing beneath. When sprung the six sharp spear tines shown in the illustration are forcibly driven down and prove most effectively destructive. The trigger is easily operated and extremely sensitive.

Magic Raisin Seeder.

J. H. Bullard, Springfield, Mass., is putting on the market the Magic Raisin Seeder. This little machine can be fastened to a shelf or table by means of a clamp. When using the seeder "put the raisins in boiling water for two or three minutes, until they are soft; then place them one at a time on the wire bed lengthwise with the wires and press



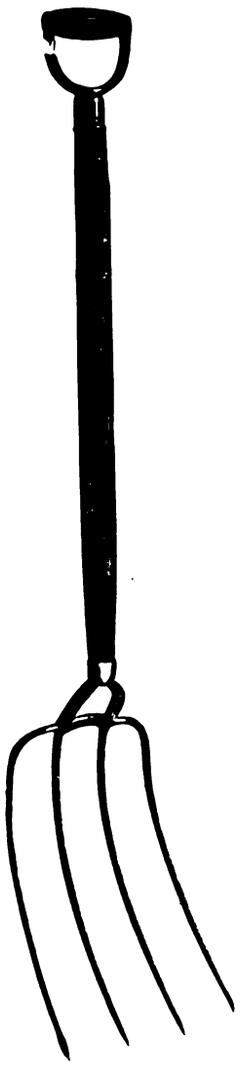
sharply down on the lever until the seeds are forced through the wire bed."

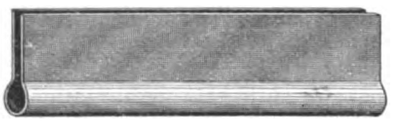
Phippen's Saw Joiner.

The Phippen Co., Salem, Mass, are putting on the market the Phippen's Saw Joiner. The makers state that this "joiner is made of spring brass 1-16 inch thick, 4 inches long, and 1 inch deep. Any ordinary sized three-cornered

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or round file can be used by being put in at the large end and slightly pressed, it being firmly held by the spring in the middle. It is extremely cheap and simple; being made wholly of





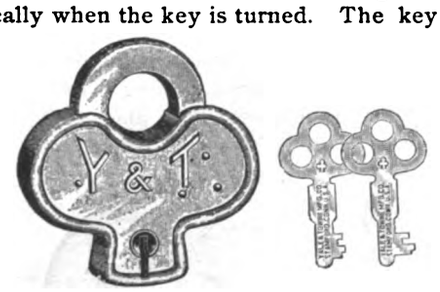
one piece, there are no parts to break or lose. It is very compact, durable and effective."

The Victor Braced Shank Fork.

The Iowa Farming Tool Co., Fort Madison, Iowa, are manufacturing forks with braced shanks, illustration of which appears herewith. The makers explain that "the two braces stiffen the fork, increasing its capacity thereby. A shank of extra strength is formed where the two braces unite, and the forks hang correctly and can be more easily used than a bent handle fork, because the bend occurs in the brace near the load on the tines."

Yale & Towne New Padlock.

The illustration herewith shown represents a new Padlock recently put on the market by the Yale & Towne Mfg. Co. It will be seen at a glance that the well-known trefoil trade mark of the company has been utilized to form the exterior design of the lock, the case of which is made in both steel and brass, the catalogue numbers being respectively KI and KAI. The steel case lock is also furnished in the Bower-Barff finish, in which case the trade number is KF1. Its dimensions are 2¼ inches by 1¾ inches. In all cases the shackle is of bronze, self-locking, and flies open automatically when the key is turned. The key is of flat



steel, as shown. The form of case affords ample room for an excellent construction of the internal mechanism, all of which is of substantial but simple character and made entirely of wrought material.

The Easy Pants Hanger.

The Ideal Machine Works, Hartford, Conn., are putting

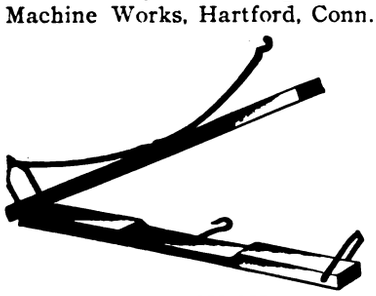


FIG. 1.—HANGER OPEN.

on the market the Pants Hanger, illustration of which appears here. When in use the trousers are folded with the four seams together, and the bottoms placed in the hanger. The two parts of the hanger are held in position by slipping the hook over the spring. The trousers can

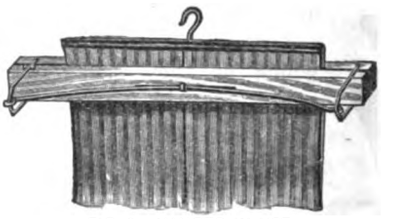
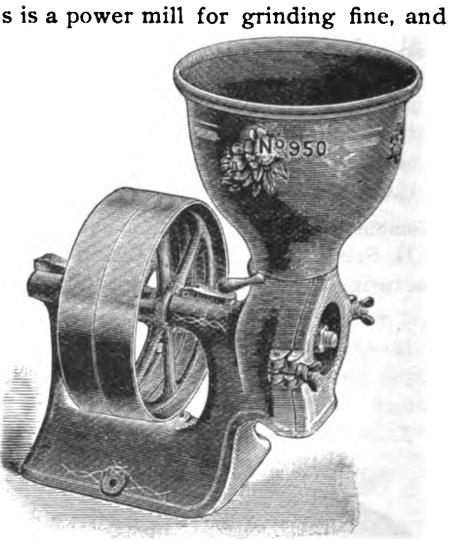


FIG. 2.—HANGER IN USE.

then be suspended in any convenient place by the screw-hook. It is stated that the hangers do not fray, mark or stretch the bottoms of the trousers; prevent bagging and can be adjusted in five seconds.

Enterprise Power Mill No. 350.

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa., are offering the trade the Mill, the illustration of which appears here. This is a power mill for grinding fine, and is con-



structed in a similar manner to the company's No. 450 mill but is more powerful and has three times its capacity. Price, etc., will be sent upon application.

Ideal No. 4 Hold Back Spring Hinge.

The Stover Mfg. Co., Freeport, Ill., are offering the trade the Ideal No. 4 Hold Back Spring Hinge. The makers



claim that these hinges are of original and artistic designs, and "the most active, energetic spring hinge ever pro-

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duced." Made in all finishes of both iron and bronze metal.

A Kitchen Cabinet.

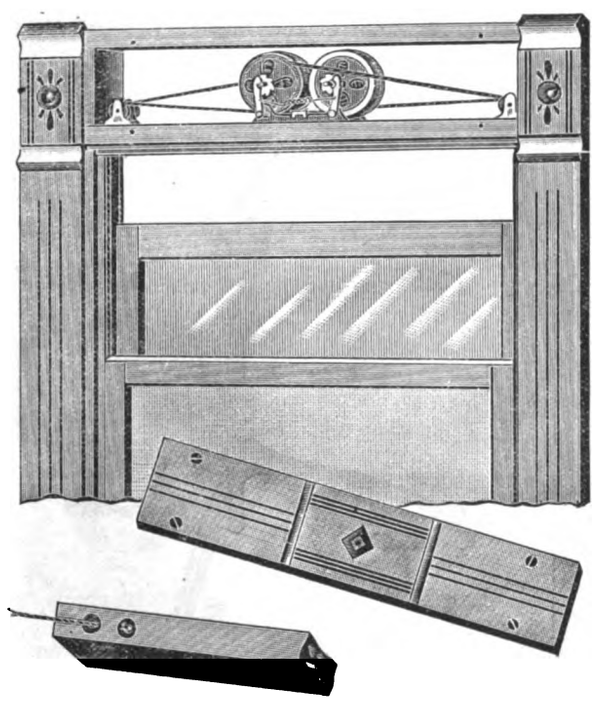
The handy and attractive Kitchen Cabinet here shown is being placed upon the market by the Comstock & Coonse Co., Indianapolis, Ind. It is convenient; of benefit in a sanitary way; keeps dirt, bugs, etc., out of the flour; is also a table, pie board, locker, etc.; and



forms an ornament to the kitchen or bake room. A glance at the Cabinet is its own best endorsement and description. The company will be pleased to send information to any who may be interested; not only touching this article, but also their wood pumps, carts, wagons, buggies, surreys, etc.

Security Sash Balance.

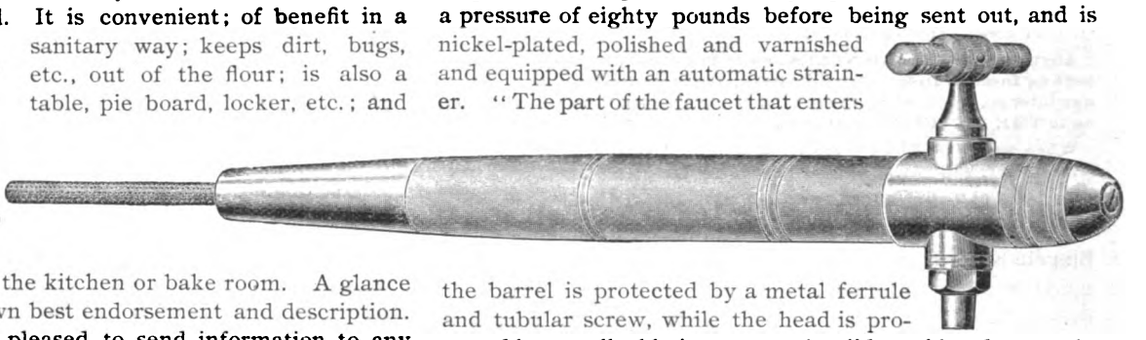
The Security Sash Balance here shown is being successfully placed upon the market by the Richmond Safety Gate Co., Richmond Ind. The manufacturers are very emphatic in their statements as to its value and adaptability to the purpose for which it was designed. They explain that it "differs from others in that it exactly balances the sash at any point, and works without a friction screw. It will successfully balance a sash of any weight from 5 to 25 pounds, and by a slight variation from 1 to 100 pounds, and can be made strong or weak by use of a key. The Security Sash Balance Works so easily and balances a sash of any weight so perfectly, that it can be raised or lowered with the strength of No. 50 cotton thread. It requires no space between the window frame and studding, thus allowing the plastering to be joined closely to the window frame and the frame nailed firmly to the studding. It has another advantage in that it can be easily attached to windows



which were never hung on weights. This balance can also be used on twin windows with only ⅞-inch between them. It is free from noise, there being no confusion of weights. It is placed on the center of the window head, and when the window is finished it is entirely enclosed. The Security Balance is simple, durable and efficient, and one of the cheapest balances on the market, and will last a life-time." The Richmond Safety Gate Co. will furnish prices and full information to the trade.

Wood and Metal Faucet.

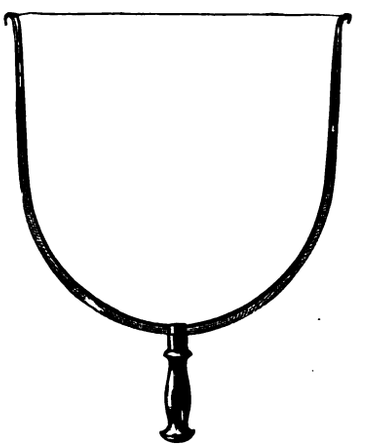
The illustration here given shows a Wood and Metal Faucet manufactured by Knapp's Faucet Co., Syracuse, N. Y. The makers state that this faucet is made of hard maple, and is impervious to any liquor. It is tested under a pressure of eighty pounds before being sent out, and is nickel-plated, polished and varnished and equipped with an automatic strainer. "The part of the faucet that enters



the barrel is protected by a metal ferrule and tubular screw, while the head is protected by a malleable iron cap. A solid steel band strengthens the key way, and the key is ground in a metal bushing to form a permanently tight and easily working joint. The key is wood lined to prevent corrosion, and is so constructed as to throw the stream to a point."

Boston Butter and Cheese Cutter.

The Boston Cold Storage Butter and Cheese Cutter here shown, is described as "a new and valuable implement for wiring butter and cheese." The bow is described as "made of the best spring steel, tinned or nickeled, with piano wire



cutters, maple or rosewood handle, and will last for years." It is manufactured by E. G. Bennett, No. 65 Sudbury Street, Boston, who will be pleased to send further particulars to any who are interested.

The average Hardware salesman never does anything by halves. There comes from Hagerstown, Md., a dispatch to a Baltimore exchange, which shows how John D. Curley, a traveling Hardware salesman of the city last named, astonished the natives down in that section of the country. Matched against one opponent, Mr. Curley commenced at two o'clock in the afternoon and played eighty-nine games of pool, and then wound up with forty-four games of bagatelle against another opponent, the games not ending until six o'clock in the morning, there having been no intermission for either eating or drinking.

Elsewhere in this issue the McKinney Mfg. Co., Allegheny, Pa., whose steel hinges and butts are known to the trade everywhere, present an illustrated description of their Steel Barn-Door Track, which the manufacturers say can be used in connection with any standard hangers. Those interested should write to the McKinney Mfg. Co. for prices, etc.

At the recent annual meeting of the Chattanooga Hardware Co., Chattanooga, Tenn., the following officers were elected to serve for the ensuing year: President, A. M. Johnson; vice-president, J. W. Johnson; secretary, Douglass Everett; treasurer, John L. Davies.

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ILLUSTRATED BICYCLE NOVELTIES.

MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, whic hwill appear immediately.

Devore's Bicycle Screwdriver.

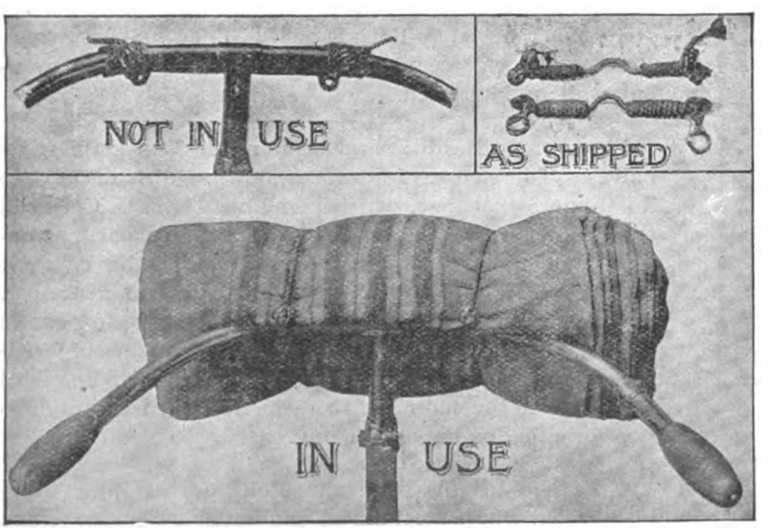
L. M. Devore & Co., Freeport, Ill., are introducing a new Bicycle Screwdriver, which can also be used for a variety



of other work. As is seen by the illustration, this screwdriver is made in one continuous piece. It is made of finely tempered, high grade steel, and it is impossible for it to come loose from the handle. It is flat and takes up but little room in a tool bag, and can readily be carried in the pocket or hung up, and will not roll. They are made in several sizes.

Holdfast Luggage Carrier.

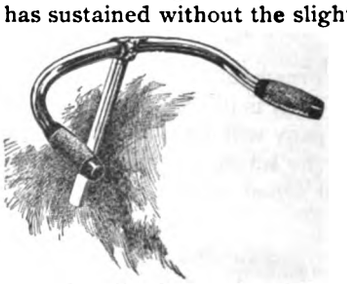
The Tie Co., Unadilla, N. Y., are successfully placing upon the market the Holdfast Luggage Carrier, an article sure to prove a boon to the great army of bicyclers. It weighs but a little over an ounce; can always be left on the bicycle by winding the braid closely around the handle bar, and tying the ends with Holdfast. "Can be applied in one-fourth of the time needed for a strap and buckle carrier." The braid is very large and solid, and is guaranteed to hold as great a weight as can be held by a 1½-inch strap. The cuts here shown carry their own explanations. The company further say: "The nickel-plated stay should go on front side of post with the eyes down. Wrap braid once around handle bar, putting end of braid through the eye. Tie one end of carrier to bar to hold it in place. Then



apply to luggage on the other end. Then remove the first end and apply that to luggage. Retail at 25 cents each. Postpaid, $2 per dozen. Single one, by mail 17 cents. We make the above with a solid silk braid, extra heavy Holdfasts, price, 75 cents each, $6 per dozen. One mailed 50 cents."

The New Columbia Adjustable Handle-Bar.

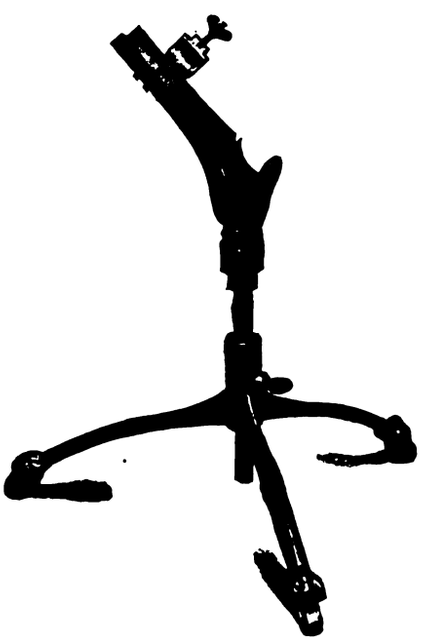
One of the features of the Columbia for 1895, manufactured by the Pope Mfg. Co., Hartford, Conn., is the Adjustable Handle-Bar. It is made of twenty gauge, nickel-steel tubing in one piece, thus obviating the difficulties found with many of the adjustable bars, which require that two pieces be in perfect relation before the adjustment can be tightened. The head clamp is a steel forging, thoroughly secure and safe, and this with the bar and shaft is spring tempered, rendering the whole rigid and marvelously strong. An idea of the strength may be had from the fact that the bar has sustained without the slightest in-



jury the test of an upward pull of 350 pounds, which exceeds the utmost strain that can be exerted by any rider by nearly 150 pounds. The adjustment is particularly fine, and very positive. It is also entirely distinct from the regular binding collar that holds the shaft. By the mere turning of the screw the bar may be quickly and easily set at any desired angle to the upright, or reversed. The bar is untapered, gracefully curved and so formed at the ends that the handles are in a good position for the hands regardless of the angle at which the bar may be placed.

The Brooklyn Bicycle Stand.

The Brooklyn Bicycle Stand, put on the market by the Bridgeport Gun Implement Co., No. 313½ Broadway, New York, and illustrated here, is described as follows: "The Brooklyn Stand for Safety Bicycles as perfected and improved is now without an equal. It consists of a tripod on casters bearing an upright arm into which the crank-shaft bracket and lower tube of the bicycle fit; an adjustable



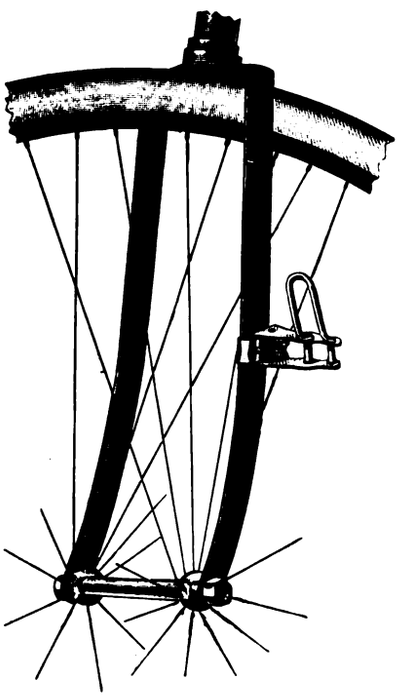
clamp fitting over the front tube and tightened by a single turn of a thumb-nut holds the bicycle firmly in place. The upright can be raised or lowered in the tripod, thus lifting the machine clear of the floor so that both wheels can be revolved as in cleaning, or both wheels can rest on the floor, or one on the floor and the other in the air. As the Stand is on casters, it can be rolled about as easily as the wheel itself. The Stand is most excellent for house use, holding the bicycle firmly so that it does not mar walls or

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furniture; the casters enable the machine to be removed easily from one room to another and will prevent muddy wheels from touching the carpet; the wheels being free from the floor, the rider can comfortably seat himself on a chair and clean the entire machine without shifting his position. For use in a store or exhibition it is especially well adapted, as the bicycle can be quickly moved to any part of the store or exhibition booth. The wheels can be revolved, showing the working of the chain, sprockets, etc. The Stand occupies less width of space than the handlebar."

Fork Lamp Bracket.

The Bridgeport Gun Implement Co., No. 313½ Broadway, New York, are offering the trade a Fork Lamp Bracket. This bracket has been specially designed for quick attachment to the fork of a bicycle, being lined with chamois to prevent any scratching incidental to frequent attachment to a machine. It is made in the form of a steel



wire loop, with spring steel collar and adjustable thumbscrew and weighs 1½ ounces. These brackets will fit any size fork. Price 50 cents each. Liberal discount to dealers.

Bicycle Bells.

N. N. Hill Brass Co., East Hampton, Conn., have added to their line of Bicycle Bells those shown in the illustrations given. The bell shown in Fig. 1 is 2¼ inches in diameter, single stroke, full nickel-plated. Fig. 2 is 2⅛ inches



FIG. 1.

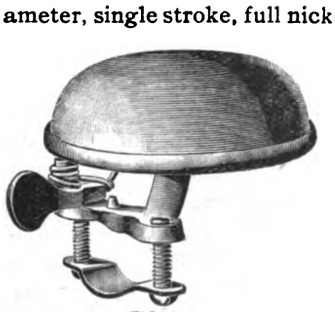


FIG. 2.

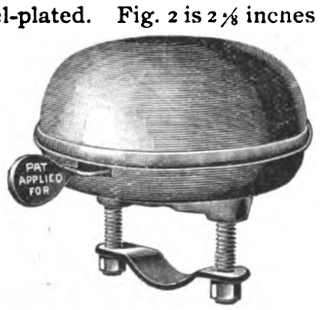


FIG. 3

in diameter, single stroke, full nickel-plated. The one shown in Fig. 3 is the same size and finish, weighing 4¼ ounces and having an electric stroke. The manufacturers state that these bells will give entire satisfaction and are cast from pure bell metal.

Wolff Duplex Cycle.

R. H. Wolff & Co., New York, are introduciug their Duplex Cycle, illustration of which appears here. The makers state that the machine "can be ridden by two ladies or two gentlemen, or by a lady and gentleman. The construction is such as to allow the propelling and steering to be done by either one or both riders, thereby allowing them to work or rest alternately. The frames are specially designed of seamless cold drawn steel tubing, three 26-inch wheels, wood rims, self-lubricating tubular crank shaft and hubs, eccentric chain adjustment, Humber pattern, block chain 5-16 inches. It is geared to 59, 63 or 68 inches, with cranks having a 6½-inch throw. The machine is provided with upturned handle bars, lantern bracket, detachable



mud guard and dress guard, Sager saddles, rubber or rat-trap pedals, and weighs 42 pounds."

The Lariat Mfg. Co., No. 405 Atlantic Avenue, Boston, have purchased from the Stropine Co. their entire plant, book accounts and trade mark. In the future Stropine will be manufactured and sold by them, and to them all orders should be sent.

The tenpenny nail falleth in the highway, and maketh a loud noise, and is known among men; but the carpet tack standeth on its head in the silent spaces of the night, and getteth in its fine work upon the soles of the just and unjust.

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A New Brand of Garden Hose.

The New Jersey Car Spring & Rubber Co., Jersey City, N. J., makers of high grade vulcanized rubber goods, are out with a new brand of Garden Hose for the coming season styled the "New Method." It is offered the trade after much experimenting on the part of the manufacturers, the results showing it to be a hose well adapted to all gardening and hydrant purposes, and one worthy the confidence and patronage of dealers generally. The company place the utmost confidence "in the excellence of material used, its perfected construction, the correctness of principle involved, its phenomenal strength and the reasonable price at which it is placed upon the market." The "New Method" is manufactured in four and five ply, and of a special high grade of duck. It is warranted to withstand a pressure of 500 pounds.

The complete line of garden hose offered by the New Jersey Car Spring & Rubber Co., for the season of 1895, includes besides this new brand, nine regular grades, as follows: "X X Special." This brand is a very finely made high grade hose, of great strength but very light. This is on account of its purity. "Special." Also a high grade of hose, but made very thick and heavy and especially designed for florists' use about greenhouses, etc. "Extra Para." A very popular brand, of high grade, manufactured from the finest quality of Para rubber and suitable for high pressure and hard usage. "Emerald." A fine high grade hose for high pressure, and which has been thoroughly tested and experimented with and has shown exceptional wearing qualities. This hose is very attractive in appearance, the covers being a bright green in color, and showy. Though a comparatively new hose, it is very popular with dealers. Other brands are the "Pearl," "Red Jacket," "Reliable," "Hudson" and "Staple." These are the cheaper grades, but well and carefully made, every one giving, it is said, entirely satisfactory results in the service for which intended.

There are besides two brands of Cotton Garden Hose, which are worthy of special notice, viz.: "Gulf Stream" and "Staple." "The fabric of each of these brands is made from carefully selected long fibre cotton, heavily and closely woven. The rubber lining is of the best quality and made under the well-known 'precaution' plan followed by the New Jersey Car Spring & Rubber Co., in the manufacture of all their hose linings. This consists in running the tube in three or more plies so that in case of any defect or imperfection in one layer, it is remedied by the other plies. If so desired all hose will be armored to prevent abrasion or other injury which might otherwise occur in situations where subjected to rough usage or careless handling.". Brass nozzles, couplings, sprinklers and other necessary fittings are also carried in stock by the company, and may be procured at short notice. The entire line of such goods is of the latest and most approved design and of superior finish and appearance. The extensive works of the New Jersey Car Spring & Rubber Co., also the principal office and salesrooms, are located at the corner of Wayne and Brunswick Streets and Railroad Avenue, Jersey City, N. J., under the management of J. J. Voorhees, secretary and treasurer. Here those desiring further particulars, samples, prices, etc., should address their communications, which will receive prompt and careful attention.

Hardware for the Florist.

The demand of the florist and the gardener upon the Hardware retail dealer is quite extensive and of considerable profit. Among other articles needed are bellows for applying sulphur, insect powder, etc., to plants; bouquet wire, caterpillar brushes, dibbers for transplanting cabbage and cauliflower plants, etc., strawberry forks, fumigators made of heavy galvanized iron, garden lines which will not kink, reels for same, rubber hose, nozzles, couplings, menders, plyers, etc.; powder bulbs, budding, pruning, grafting, chisel and asparagus knives; lawn sprinklers and mowers; plant sprinklers, wire and plant stands, powder duster, pumps, roffia, a material for tying, as it is very soft, pliable and strong; pruning saws, scythe stones, flower, grape or vine and pruning scissors; grass, border, hedge and pruning shears; brass garden and greenhouse syringes; tinfoil, thermometers, tree scrapers, twine, caterpillar torch made of asbestos and saturated with petroleum; tomato supports, trowels, weeders and watering pots; all of which seem indispensable in these latter days of the nineteenth century.

American Screw Co.'s New List.

Under date of March 1st, 1895, the American Screw Co., Providence, R. I., announce the following price list:

PATENT GIMLET POINTED WOOD SCREWS.—Discounts.

Description.	Disc't.
Wood Screws.	
Iron, Bright Flat Head	87½&10%
" R'd and Oval Head	82½&10%
" Blued Flat Head (add 5 per cent. to net amount of invoice)	87½&10%
" Blued, Round Head	82½&10%
" Felloe, Flat Head	
" Pinched Head	
" Japanned, Flat Head	75%
" " Round Head	70%
" Tinned, Flat Head	75%
" Lacquered, Flat Head	65%
" " Round Head	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Brass Plated, Flat Head	65%
" " Round Head	60%
" Copper Plated, Flat Head	65%
" " Round Head	60%
" Nickel-Plated, Flat Head, Burnished	75%
" Nickel-Plated, Round H'd, Burnished	72½%
" Silver-Plated, Flat Head, Burnished	50%
Iron, Silver-Plated, Round H'd, Burnished	50%
Wood Screws.	
Brass, Flat Head	87½&10%
" R'd and Oval H'd	82½&10%
" Lacquered, Flat Head	65%
" " Round Head	60%
" Bronzed, Flat Head	65%
" " Round Head	60%
" Silver-Plated, Flat Head, Burnished	50%
" Silver Plated, R'd Head, Burnished	50&5%
" Nickel-Plated, Flat Head	66⅔&6%
" Nickel-Plated, Rd. Hd.	66⅔%
Copper, Flat Head	65%
" Round Head	60%
Bronze, Flat Head	82½&10
" Round Head	80&10
Phosphor Bronze, Flat Head	60%
" " Round Head	55%
Wood Screws for Export.	
American List	
Rogers Drive Screws	87½%

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds. Export quotations are upon conditions that the export shipments be made by us, to enable us to obtain the Drawback of Duty. Discounts subject to change without notice.

MACHINE SCREWS, BOLTS, RIVETS, AND MISCELLANEOUS GOODS.—Discounts.

Description.	Disc't.
Machine Screws	
Iron, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Brass, Flat Head	45%
" Round Head	40%
" Fillister Head	35%
Cap Screws, for Locks, Iron	
Side Knob Screws, Iron	
Taps, for Machine Screws	65%
Tire Bolts, Norway Phila	75&10%
" Eagle Philadelphia	80&10%
" Bay State	70&10%
Sleigh Shoe Bolts	80&10%
Stove Bolts, Flat Head	70%
" Flat Head, Annealed	70%
" Round Head	70%
" Nickel-Plated	
Stove Rods	70%
Sink Bolts	70%
Pointed Wires	65%
Tapped Nuts	50%
Norway Rivets.	
Ordinary, in Bulk	65%
Coopers, "	65%
Thousand, "	65%
Thousand, in Papers	05%
Block and Carriage, in Papers of 100	65%
Hame	65%
Belt, with Burrs	65%
Bay State Rivets	75%
Burrs, for Rivets	65%
Coach Screws	85%
Hand Rail Screws	80%
Dowel Screws	
Dowel Pins, Barbed and Plain	
Standard Penny Wire Nails, Steel, Base Price ₱ keg, f.o.b. Providence	
Miscellaneous Wire Nails, Steel, 1, 5 and 10 lb. packages	85%
25 and 50 lb. Packages and 100 lb. Kegs	85%
Special Goods	

On items where discount is not given, quotations will be submitted on application stating quantity and assortment required. Terms, cash 30 days. Freight paid: on Rivets and Stove Bolts, on shipments of over 100 pounds to principal cities on or east of Mississippi River; on other goods, on shipments of over 100 pounds, to all points to which the rate does not exceed 50 cents per 100 pounds Discounts subject to change without notice.

SPECIAL NOTICE.

Changes have been made in the following Lists and Tables since the issue of our 1892 catalogue; the revisions now in force bear the dates here specified:

Page.	Item	Date.
18	Iron Machine Screws	Aug. 1, 1894.
19	Brass Machine Screws	Aug. 1, 1894.
34	Iron Rivets in Bulk	Nov. 1, 1894.
35	Thousand Rivets	Nov. 1, 1894.
36	Block and Carriage Rivets and Burrs	Nov. 1, 1894.
37	Hame, Coopers', and Trunk Rivets, and Belt Rivets and Burrs	Nov. 1, 1894.

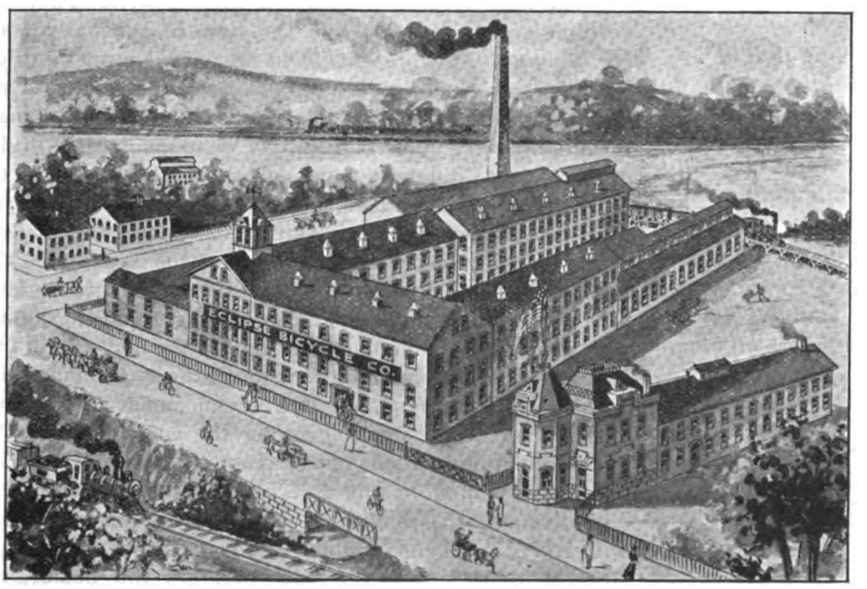
Printed Sheets, for insertion in the catalogue, will be furnished upon application.

The cold snaps of last month were very profitable to the plumbers in New England as well as elsewhere. In Fall River, Mass. there were at one time three hundred meters frozen. These meters cost to repair ten dollars each. In one instance the pipe leading into the house froze several feet into the ground caused by a contiguous sewer emptying its contents in such a manner as to continuously envelope the leading pipe. This accident entailed several days labor, much annoyance, and naturally an unusual expense.

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Output and Works of the Eclipse Bicycle Co.

The Eclipse Bicycle Co., Beaver Falls, Pa., have taken a decided stand for 1895 and will hereafter produce only four styles of cycles beside their tandem, making only the very highest class of goods that can be turned out. The Eclipse Co. have heretofore made thousands of bicycles under special brands for the largest jobbers in the country, but this year have given up this trade, and will devote their energies to pushing the sale of their own Eclipse brand of cycles which have been greatly improved for 1895 and have jumped into great popularity. This company have one of the largest bicycle plants in the country, and rank foremost among strictly high grade manufacturers in the quantity of their output. The Eclipse Co. commenced to manufacture bicycles in Indianapolis, Ind., but in 1892 moved their plant to Beaver Falls, Pa., occupying the building formerly used by the Beaver Falls Cutlery Co. These buildings were enlarged and interiors remodeled, and this factory that once held five hundred Chinamen, trying to make knives, now employs nearly that number of skilled mechanics, who, with the aid of modern machinery, are turning out a line of most beautiful and artistic cycles.

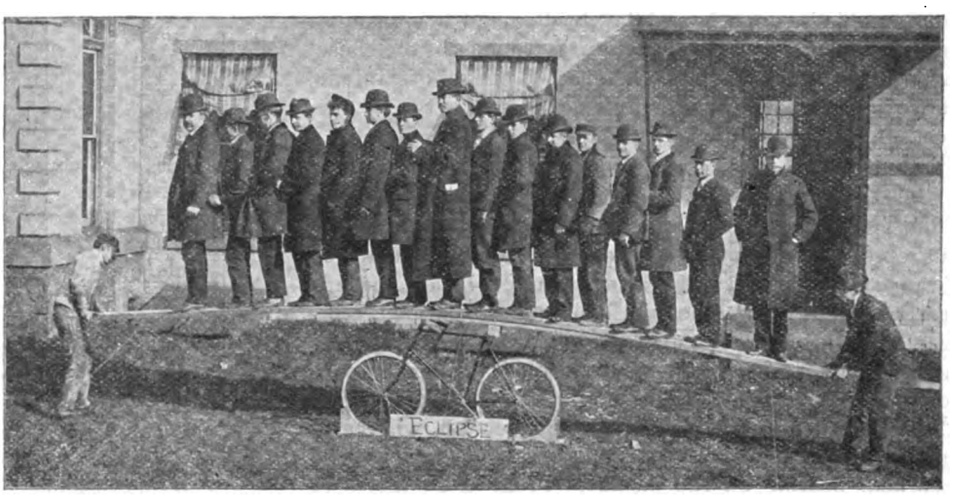


The Eclipse Bicycle Co. have a large foreign trade, being represented by P. Mott & Co., in Paris, who are agents for France, and Hammacher & Delius, in Hamburg, who control the rest of the European countries. They also have agents in other foreign countries and have a branch house in Hamilton, Canada. The Eclipse bicycle became well known in Canada in 1894. The Simmons Hardware Co., of St. Louis, are distributing agents for the west and south, while the Bindley Hardware Co., of Pittsburgh, control a block of territory in southeastern Ohio and western Pennsylvania. The balance of the territory in the United States is worked direct from the factory.

We publish in this issue a cut of the Eclipse factory, and also a half tone, taken from a photograph, of one of the most remarkable tests to which a bicycle has ever been subjected. This picture shows a twenty-four pound Eclipse Roadster bicycle, which was taken at random from stock, supporting sixteen men and a heavy plank, the aggregate weight of the men and plank being 2448 pounds. The plank was steadied by wire guys which ran over the plank and were fastened to pegs in the ground. Not an ounce of weight was taken off the plank in any way. It will be observed in the photograph that cleats were used to keep the bicycle from rolling forward or backward. The bicycle stood the test without developing any weakness whatever, and doubtless would have stood the weight of several more men. The same experiment was tried on an Eclipse Racer which sustained the weight of thirteen men, a half tone of which is shown in the Eclipse catalogue, a neatly gotten up and business-like book that is described elsewhere in this issue, and will be mailed to any Hardware dealer on receipt of his address.

The Eclipse Bicycle Co. have some very attractive advertising matter, among which is a very neat hanger, in the center of which is a beautiful engraving of the sixteen men on a bicycle. This is surrounded by cuts of their 1895 cycles, and an engraving showing an equally severe test of their cycles, of an entirely different character. The Eclipse Bicycle Co. are making a special bid for the Hardware trade, believing that Hardwaremen can handle a line of strictly high grade and artistic goods that will meet the requirements of fastidious riders, as well as to confine themselves to a medium grade line only. We understand that although their goods are of the very highest class, that their prices are reasonable and it would pay dealers to investigate this line.

Edward Atkinson is displaying his new cooking stoves to the public in New England, by means of his lectures on cooking. The stove has glass front and sides, and with thermometers the heat can be nicely regulated and the cooking be at the command of the cook. The oven thermometer is now being manufactured in the West, and agents and others are selling them at two dollars each, which includes the labor in adjusting it. These thermometers register about two hundred and eighty degrees, and thus closely crowd the pyrometer. Naturally they are nicely made, and accurately graduated.



The Puget Sound Wire Nail & Steel Co.'s plant at Everett, Wash., have resumed operations, for an extended run. A five thousand keg order has been received from San Francisco.

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The Great Sportsman's Exposition.

As the time draws near for the Sportsman's Exposition, to be held at the Madison Square Garden, May 13th to 18th, inclusive, interest grows apace. The officers and various committees are working hard and earnestly to make the exposition a huge success. Forty-eight out of the one hundred and twenty-five exhibition spaces have this early been engaged by the following firms:

Name.	Space.
Schoverling, Daly & Gales,	57, 58, 59
Winchester Repeating Arms Co.,	75
Hermann Boker & Co.,	61
Wiebusch & Hilger,	63
Von Lengerke & Detmold,	77
Colt Patent Fire Arms Co.,	60
Remington Arms Co.,	110, 111, 112
Hunter Arms Co.,	72
Lefever Arms Co. & Wm. Lyman,	93
Forehand Arms Co.,	106
Union Metallic Cartridge Co.,	89, 90, 91, 92
United States Cartridge Co.,	45, 46, 47, 48
Tatham Bros.,	69
E. I. Dupont de Nemours & Co.,	1
Bridgeport Gun Implement Co.,	107, 108
Union Hardware Co.,	38
Cleveland Target Co.,	56
Gas Engine & Power Co.,	53, 54
Forest and Stream,	73, 74
American Field,	78, 79
Freed Optical Co.,	13
Spratt's Patent, American, L't'd,	113
Cushman & Denison,	101
A. G. Spalding & Bro.,	113, 114, 115, 116, 117, 118, 119, 120
Maine Central R. R.,	85
Shooting and Fishing,	109
"Hardware" Publishing Co.,	14

It behooves all lovers of any branch of the numerous sports, and also those who wish to keep conversant with the modern march of improvement in sporting appliances, to visit the show, not once, but as many times as possible. The vast scope and variety of the exhibit will make it absolutely impossible for one to see and appreciate more than a small portion in one visit. The exhibit will include firearms of every description, both ancient and modern; ammunition, sporting sundries and appliances, fishing tackle, boats, canoes, etc., camping outfits and utensils, athletic goods, lawn tennis, field games, etc.; zoology, taxidermy and taxidermist's supplies; kennel supplies; cameras and photographist's supplies; saddles, bridles and horse equipments; sportsmen's art and literature, trophies of the chase and a loan exhibit. The two last named classes of exhibits will cover a vast field, and will no doubt prove two of the most interesting features of the show.

TROPHIES OF THE CHASE.—CLASS N.

"This class will consist of collections of typical examples of our large game, both native and foreign. These exhibits will represent largely the historical and educational features of the exposition, and will include mounted heads and entire specimens of buffalo, musk ox, moose, caribou, reindeer, Virginia and black tail deer, mountain sheep, antelope, mountain goat, European stag, roebuck, chamois, wild boars, black, brown, grizzly and polar bears, etc., etc. The committee of measurements and records will carefully measure each specimen, and all reliable data will be recorded, bearing on the display. From these tables of comparative measurements, the committee will decide what specimens are worthy of being known as the 'Kings of Record.' This work will be of exceeding scientific value. Exceptionally large specimens are desired. Private persons and museums will contribute from their collections. The management wishes to emphasize the importance and value of universal co-operation and the necessity of the best trophies being in the collection. A neat monograph of this exhibit will be published, with full descriptive text and effective illustrations. By this means, a valuable contribution to the history of our North American and European game animals will be secured. Specimens showing abnormal growths of horns and antlers, also skins showing albinoism and melanism are desirable."

LOAN EXHIBIT.—CLASS O.

"The Loan Exhibit will include various styles of hunting costume accoutrements, from the time of the early trappers' day up to the present. Old firearms, Kentucky rifles, flint-lock guns, punt guns and ducking cannons, in contrast with the modern breech-loading guns, rifles and trappings. Spears, arrows and other primitive weapons, various styles of foot gear, different kinds of snow shoes and sleds. Primitive saddles, bridles, spurs, lassoes and whips. Originals and models of canoes, skiffs, boats and other sailing craft. Fishing hooks and harpoons of the natives, tackle, nets, spears and devices of the Indian for capturing fish and other aquatic animals. Also photographs, engravings and paintings of animals, hunting scenes and camp life. In fact, everything within the realm of the sportsman which will illustrate the evolution and advancement in fire-arms and implements for hunting during the early centuries, up to the scientific methods of the chase of modern times. All collections loaned for this object will be carefully received and arranged in systematic order and properly labeled with the name of the exhibitor. The purpose of the Exposition is to present to the manufacturers, the dealer, the sportsman and all who are, and may become, interested in field sports and games, every feature which will lead to the extension of the trade, the education of sportsmen and everything tending to elevate and improve the interests of the sportsmen's fraternity. Extra attractions, such as promenade concerts, afternoon and evening, contests of skill of an interesting nature, the methods of manufacturing guns, shot and shells, etc., etc., will be illustrated when practicable. It is intended to have represented with skins, skeletons and mounted specimens (single and in groups), every animal, considered worthy of the sportsman's chase, including mammals, birds and fish. Picturesque groups of natural mounting, representing camp life and hunting scenes of different nations, will add to the charm of the display, and will prove an attractive and instructive feature of the Exposition."

The following list gives the names of the officers and executive board of the Sportsmen's Exposition Association:

Charles Tatham, - - - President.

VICE-PRESIDENTS.

Charles Daly,	George B. Grinnell,
Wm. J. Bruff,	Marcellus Hartley,
J. Walter Spalding,	John S. Wise,
Dr. N. Rowe,	John H. Hall,
Charles F. Wiebusch,	Harry Palmer,
T. W. Bryant,	A. W. Money,
J. Seaver Page,	Wm. Hart,
Wm. Lyman,	A. C. Gould,
Jacob H. Studer,	Eugene Du Pont,
Gen. D. H. Bruce,	Charles W. Mowrey,
Eugene G. Blackford,	Leslie C. Bruce.

Frederic S. Webster, Secretary, 106 East 23rd Street.

J. A. H. Dressel, Treasurer.

EXECUTIVE BOARD.

Charles Tatham,	Charles Daly,
J. Von Lengerke,	Jacob H. Studer,
J. Walter Spalding,	T. W. Franklin,
J. A. H. Dressel,	P. G. Sanford,

Frederic S. Webster.

Some of the special features of the Exposition will be five cycloramic groups, representing hunting scenes, camp life and sportsmen. There will also be three log cabins, one an exact reproduction of a Maine hunter's cabin. It will be built of logs hewn in the Maine forests, and will be constructed by a Maine woodsman. Another cabin will show

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Western life, and the third will be filled with specimens, skins, antlers, etc., of animals, the trophies of the chase of a single individual. The Maine Central Railroad company will publish a newspaper, entitled *The Log Cabin*, with a guaranteed circulation of 25,000. It will be distributed at the Exposition.

At a meeting of the Exposition Association held on Tuesday afternoon, March 5th, Harry Palmer was made assistant secretary. He was also engaged to travel for the Association and solicit subscriptions, and given charge of the catalogue. Frank W. Sanger, manager of Madison Square Garden, was instructed to make arrangements for music. No exhibition spaces were assigned, but many applications for same are under consideration.

Placed A New Bicycle Lamp Agency.

F. J. Miller, of Birmingham, England, was here recently in the interest of H. Miller & Co., of which firm he is a member, to place the agency in this country for the sale of the Bicycle Lamps made by that company. He settled upon A. M. Sheffey & Co., No. 92 Reade Street, New York, as being best fitted for the work of distributing the product, and placed the entire control in their hands. Coupling the fame of the Miller lamps with the popularity in the cycling trade of Scheffey & Co. was sure to make it a go, and it has been a go. We learn that the Reade Street people have sent three or four additional orders to Europe already for more stock, and the season in fact is just opening. Scheffey & Co. have issued a special lamp catalogue, which can be had for the asking. HARDWARE readers will remember A. M. Scheffey & Co. as makers of the Wynnewood Bicycles, which sell at $80, $60, $50 and $40.

George L. Pease, formerly vice-president of the National Shoe & Leather Bank, and a prominent member of the New York Hardware Club, was stricken with apoplexy on the morning of February 24th, at his home in Brooklyn, and died on the morning of February 25th. Mr. Pease was a member of the Boorum & Pease Co., manufacturers of blank books, and although not connected with the Hardware trade, was well known and most highly esteemed by that trade, and his loss was one which came with saddening effect upon a great many members of the club who were in the habit of meeting Mr. Pease quite often at the noon hour.

W. T. Norton has resigned his position of general sales agent of the American Axe & Tool Co., It is understood that he contemplates returning to Cleveland, where for twenty years he was a member of the Powell Tool Co., which became a part of the American Axe & Tool Co. some years since. He came to New York in 1890, where he has made many friends, who will greatly regret his return to his former home. It is not known what business connections he will form, although safe to assume that he will eventually be found somewhere in the ranks of the manufacturers of that busy city.

At the annual meeting of the stockholders of the Corbin Cabinet Lock Co., New Britain, Conn., the following directors and officers were elected: Directors: Philip and Andrew Corbin, Charles Miller, J. H. Spring, Charles Peck, John B. Talcott and Darius Miller. P. Corbin was elected president and treasurer; Andrew Corbin, vice-president, and George W. Corbin, secretary.

D. M. Thomas, who was well known in stove manufacturing circles, died at his home, No. 134 Fort Greene Place, Brooklyn, N. Y., February 21st. Mr. Thomas was successively president and secretary of the National Association of Stove Manufacturers of the United States. The latter position he held at the time of his death.

Yale & Towne Mfg. Co.'s New Line.

The Yale & Towne Mfg. Co., Stamford, Conn. and New York, have issued an attractive and interesting pamphlet bearing the title, "Wrought Hardware." It is, as the mame implies, illustrative of the new line of Wrought Hardware which the company are just placing upon the market, and of which the examples in this pamphlet are merely a partial and preliminary series.

While this new line of wrought work is not materially different from others on the market, as to the work in plain bronze and steel, except that even in these it is up to their best standard of workmanship and finish, and therefore superior to the average grades heretofore made, the facts are entirely different in the case of the ornamented designs. Although only one ornamentation is shown in this preliminary edition, others are under active preparation, and all of them will embody the same high character of design and execution. Heretofore, stamped Hardware has been treated with scant courtesy as to the character and dignity of ornamentation applied to it. The examples of this new work now submitted, demonstrate that it is possible to produce decorated wrought Hardware of an artistic and inherently attractive character, which will compare most favorably with the best examples of cast work. This departure is new and important, and the success they have achieved is notable.

An examination of the illustrations in this pamphlet will give a good idea of the above points, although an inspection of the work itself is necessary to arrive at a full appreciation of its character and artistic qualities. Finally, and by no means least, is the fact that they are enabled to offer this work at prices which will make it cheap in cost while the reverse in quality: in other words, at prices which are surprisingly attractive to buyers.

Horse Clipping Machines.

The spring season has arrived for clipping horses, and parties looking for machines of well-tried merit and popularity are requested to consult the advertisement of the Gillette Clipping Machine Co., No. 201 East Twenty-third Street, New York, on another page. They manufacture, it is said, "the only absolutely flexible shaft; also make the widest and most rapid cutters on the market. The machine is the simplest made, having the fewest parts, therefore the least liable to get out of order." On account of rapidly increasing business, their facilities for manufacture have been doubled for the coming season. Grinding of cutters is one of the special branches in their works, all grinding and repairs being finished and returned on the day received. No delays. All customers are requested to send in knives for repairs at once, and be ready for clipping early in the season. These machines are largely exported to other countries, and receive the highest praise from every source. Send for new catalogue and price list.

John B. Dupont, West Somerville, Mass., died at the Massachusetts General Hospital, February 19, 1895. He was born in Bristol, Vt., in 1853, and went with his parents at an early age to Canada. Learning the plumbers' trade, he went to Boston, and ten years ago established himself in the plumbing and Hardware business in West Somerville, Mass. He was a club man, belonging to the Fremont in Boston; Lafayette, Cambridge, Old Powder House, West Somerville; St. Jean Baptiste Societe, Boston, as well as many other clubs and organizations.

The plant and property of the United Brass Co., Lorain, Ohio, was sold by the sheriff, February 23rd, for $141,100. The works were built by the late Russell Penfield in 1881, the plant costing $100,000. Mr. Penfield sunk his entire fortune in the enterprise and died a poor man.

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RECENT TRADE PUBLICATIONS.

The Remington Arms Co., New York, manufacturers of firearms, bicycles, sewing machines, etc., have issued a handsome illustrated catalogue of the Remington bicycles manufactured by them. It is printed very artistically, with a handsome cover, with embossed gilt lettering. Full illustrations and descriptions may be found of the Remington Road Racer, Light Roadster, Woman's Safety Racer, Boys' Wheel, Girls' Wheel, the parts of the Remington wheels and their specialties, the Palmer tire, Dunlop tire, etc. A number of pages are devoted to the prices of the Remington bicycle parts. In a note of introduction presenting this catalogue the company say: "Nowadays the cycle catalogue which is not an art souvenir, and which does not contain page after page of variety reading, is doubtless somewhat of a novelty; but, as the building of a reliable wheel depends upon neither, we have no apology to offer in arranging this, our fourth catalogue, in such a way as to enable its readers to quickly obtain a few necessary and important points before proceeding to a description of the mechanical features of our wheel. When a manufacturer claims to produce an absolutely reliable and standard article, there should be proper grounds justifying the position taken—a mere assertion is not sufficient to the buyer who seeks full value for his investment. Justifiable reputation for high grade work is not obtainable in a few brief months. It is our fortunate privilege to have been prominent and conspicuous as manufacturers of world-renowned products since 1816, when the great Remington factories were first established—products (and who has not heard of them?) that now enjoy a universal reputation for unapproached excellence and absolute reliability. We have always made, and shall continue to make, but one quality, viz.: the best that abundant capital, the finest material obtainable, the most skilled workmanship, and unsurpassed facilities are capable of producing. No other combination of circumstances could have brought about the uninterrupted success thus far achieved by us. You can obtain a guaranteed result in the purchase of a Remington bicycle. Our 1895 model wheels embody the latest and most important improvements, several of which are exclusively Remington, adapted to the manufacture of a light, strong, and thoroughly high grade wheel. We have no hesitation in recommending the Remington to either the experienced and intelligent buyer, or the novice, as a strictly reliable bicycle of the very highest merit and mechanical perfection."

Sickels, Sweet & Lyon, wholesale dealers in Hardware, cutlery, farm and garden tools, No. 35 Barclay Street and No. 40 Park Place, New York, have issued the spring edition of their 1895 catalogue. It is a very large and comprehensive work, containing more than 150 pages, and filled with illustrations and descriptions of the immense lines of goods which they handle. This catalogue is not intended to represent their full line, but is issued every spring, and a supplement in the fall, more especially to call attention to Seasonable Goods, their specialties, and lines for which they are New York agents. The work is printed in colors, and contains a copious index, which makes it very convenient for parties desiring to investigate any line of seasonable spring goods. It is, of course, impossible to attempt any enumeration of these. In addition to their own line of goods, they announce that they will be pleased to buy for their customers any goods that can be purchased in this, the greatest market in the country, an advantage to the dealers in that their purchases may be condensed and shipment made of various items in one bulk, thus saving expense and trouble. They announce that in addition to their own large line of goods manufactured especially for them and those for which they are New York agents, they sell at manufacturers' prices various productions of the following companies: Sargent & Co., Russell & Erwin Mfg. Co., Withington & Cooley Mfg. Co., Stanley Works, Stanley Rule & Level Co., White Mountain Ice Cream Freezer Co., Bradley & Smith, North Bros. Mfg. Co. Lightning and Gem Freezers; Peck, Stow & Wilcox Co., Atha Tool Co., American Axe & Tool Co.; Hartman Mfg. Co.; Plumb, Burdict & Barnard; Winsted Edge Tool Co., Oliver Ames & Sons Corporation, Lalance & Grosjean Mfg. Co., St. Louis Stamping Co., Shelton Co., Van Wagoner & Williams Hardware Co., Central Stamping Co., Iron Clad Mfg. Co., Nicholson File Co.; Landers, Frary & Clark; Henry Disston & Sons, National Saw Co., Enterprise Mfg. Co., and the importations of Herman Boker & Co., Wiebusch & Hilger, Charles J. Healy. Dealers who are interested in spring goods, as all are, will do well to investigate this catalogue, which will be sent on application.

The Eclipse Bicycle Co., Beaver Falls, Pa., have issued one of the handsomest catalogues of the season, presenting to the trade their well-known Eclipse Bicycles. This is printed in colors, and gives a description and illustration not only of their wheels, but of the various parts, also a great deal of other matter of interest to the purchasers of bicycles. The frontispiece consists of a view of their great works at Beaver Falls, Pa., containing over 100,000 square feet of floor space, with departments systematically arranged, and filled with machinery of the finest make. An unique picture is that where sixteen men whose weight aggregate 2448 pounds are standing upon a plank laid across an Eclipse Bicycle, the weight of which is but 25 pounds, the full weight of which rests on the bicycle. Concerning their plans for 1895, the company say: "Proud of the achievements of its past history, unequaled, we believe, in the experience of any other Bicycle manufacturers, the Eclipse enters its fifth season, backed by the same progressive spirit that has brought it to its present enviable position among leading Bicycles, and with ambition to add sufficiently to its merit and reputation, to make it, before the close of 1895, in every respect and without any question, the first and best of all wheels. Since the season of '90–'91, which saw the advent of the arched frame nickel-plated Eclipse, at which people laughed at first, only to praise finally for its wonderful durability, the Eclipse has experienced a veritable evolution, resulting in the beautiful, light and strong machine which has won such golden opinions during the season of 1894. From the first wheel to the Eclipse Racer of '94 was indeed a phenomenal progress: for the unequaled record of Road Races won on the Eclipse, and of prizes taken on the track in 1894 has convinced the public beyond all questioning that the '94 Eclipse was all that the makers claimed for it. For 1895, we offer you in the Eclipse, a Bicycle containing every point of excellence which our own experience and an observation keenly alert for improvement in any direction has suggested and proved to be desirable. In pattern, in material, in workmanship, in running qualities and durability, we are determined it shall leave nothing to be desired, while in its new features we are sure it will show a progress which will be a revelation. We have added new and improved machinery and otherwise increased our facilities, and shall largely increase our output this season. Our line for 1895 comprises four wheels: the Eclipse Roadster, the Eclipse Special, the Eclipse Track Racer, the Ladies' Eclipse. The distinctive

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features of this admirable quartette are set forth in this our 1895 Catalogue, which we submit as interesting and valuable, we believe, to old friends—inviting and convincing, we trust, to new ones."

Singer & Co., Nos. 6–8 Berkeley Street and No. 2 Warren Avenue, Boston, have issued a catalogue for 1895 of their Bicycles and Tricycles. These goods are well illustrated, and in a note the company say: "Our Cycles have been in the American market since 1876. In that year they were handled by T. W. Lawton, of Baltimore, Md., and were exhibited at the Centennial Exposition at Philadelphia. May 28, 1877, was the date of the arrival of the first bicycle at the port of Boston; it was a Singer Royal Challenge, imported for his own use by A. D. Chandler, of Boston. This wheel is now owned, and has been frequently exhibited, by the Pope Mfg. Co. The latter firm was the first Boston house to handle Singer goods; later, Stoddard, Lovering & Co. took our agency; they were succeeded by W. B. Everett & Co., and they in turn by the present American branch of Singer & Co., at Nos. 6 and 8 Berkeley Street, Boston. Singer wheels and high grade wheels are synonymous terms, and the reputation we have attained we expect to maintain, simply by continuing to supply cycles that will be satisfactory to the purchaser and a credit to ourselves."

The Franklin Brass & Bronze Co., No. 111 Chambers Street, New York, with factory at Derby, Conn., have issued a handsome illustrated catalogue of their brass and bronze Hardware. This is printed upon very heavy paper, thoroughly illustrated, containing near 100 pages. It is, of course, impossible to enumerate the lines of goods they handle, but one can find here almost everything known under the name of brass and bronze Hardware. Among these may be mentioned box hinges, flap hinges, strap hinges, refrigerator hinges, fancy hinges of various kinds, wrought brass hinges, water closet seat hinges, window screen hinges, desk hinges, shutter-butts, cabinet hinges, escutcheons, name-plates, hinge hasps and bolts, box corners, brackets, corner bolts, hook lifts, pulls and a large line of cast brass goods. They further announce that all hinges manufactured by them have brass pins. The work is very comprehensive and seasonable and should be thoroughly examined to be appreciated.

Patterson, Gottfried & Hunter, dealers in machinery metals, tools, Hardware and supplies, Nos. 146–150 Centre Street, New York, are sending their friends a unique little leaflet, upon the outside of which appears the representation of an oyster shell, upon which may be found this legend: "Perhaps there is a pearl in this oyster." On opening this one finds the following: "Not a pearl, but a gem in its way. The Standard Twist Drill." Accompanying this is a little drill made of the finest material and perfectly finished, which is suitable for a desk ornament or a watch charm, and will stand as a very good representation of the fine line of goods made by the Standard Tool Co., manufacturers of twist drills, Cleveland, Ohio.

The Comstock & Coonse Co., Nos. 193–199 South Meridian Street, Indianapolis, Ind., have issued a descriptive price list of their Wood, Chain and Wooden Force Pumps. They give descriptions and prices of a number of articles of interest to the Hardware trade, among which may be found their wood pumps, rubber bucket chains, pumps, hose, hose-pipe couplings, clamps and points, the Coonse force pump, pitcher-spout pumps, drive-well pumps, points, cylinders, locks, plumbers' sinks, etc. A great deal of interesting information in regard to sizes, measurements, etc., is found in tables contained in this work. The manufacturers will be pleased to send the same upon application.

The Samuel I. Goodall Co., Philadelphia, have issued a catalogue and price list of the Bailey pattern iron and wood adjustable planes, try-squares, bevels, hack saws, braces, etc. These goods are well illustrated. They explain that their planes are made from the very best material, by skilled workmen, with improved machinery and nicely finished. Each plane is carefully tested before leaving the factory.

The Cleveland Stamping & Tool Co., Cleveland, have issued a supplementary catalogue and price list of their "Solid Steel" seamless hollow-ware.

A Retailer on Department Stores.

EDITOR HARDWARE: It may be, as you say in a recent editorial, that the department stores of the large cities can teach a lesson to the old-fashioned Hardware dealers in regard to the more rapid movement of mixed assortments of goods, and the ratio which the percentage of profits should bear to the gross sales. But there is a great difference between the two conditions of trade. One can deal in job lots, remainders of stock, and a bric-a-brac assortment of anything that will sell, having some things one week at 98 cents and the very next week putting the price of the same goods at $1.98, even if they sell none at the increased price—and maybe when they make such a radical change they have few left to sell—they advertise the fact that the public must always watch their advertising columns for real bargains.

If a customer buys something in this way and finds he is "stuck," he swallows the error himself, and concludes it was worth all he paid for it, and lets it go. Then on such goods that are sold only in season, like skates, fly screens, lawn mowers, etc., they start the season at a good profit and finish it up to close out the stock at no profit at all.

No Hardware dealer could do business in any such irregular, spasmodic fashion like this, or they would have no regular trade at all. I have customers who have traded with me for twenty-five years and over, and when they want anything in my line they expect to find it in my stock, buy it as cheap as anywhere else in town, and no time is lost, and we are both satisfied; if anything is defective about it, they bring it back promptly, and I see that the manufacturer makes it good to me, as I have to do to my customers. No job lots are touched in any way, nor second quality of goods of any kind, for I find that people soon forget they bought at a second quality price, when the articles turn out to be of no value whatever. All these trashy things are bought by somebody to take the place of a better article, and if they only get in the hands of some one who never had anything of the kind before, it turns out better after all for legitimate trade. The sale of such things as clothes wringers, carpet sweepers, egg beaters, Potts sad-irons and a lot of other things is started this way by people who have been wringing clothes by hand, beating eggs with a spoon, and ironing clothes with grandmother's old flat iron heirlooms up to the time of celebrating their silver wedding. When I find my customer compares my prices with those of "Yorkville Brothers," "R. H. Crazy & Co." and "Abraham & Jack Straws," I tell them I don't know what kind of goods *they* sell; I only know *my* goods can't be sold at any such prices.

They can do as they like about buying good goods in Newburgh, or wait until they can get "stuck" in New York if they want to. No law prevents it; and I generally get them back next time. Pardon my taking up so much of your time, but I am very much interested in everything in HARDWARE, and that editorial inspired my "talkee talkee." J. V. C.

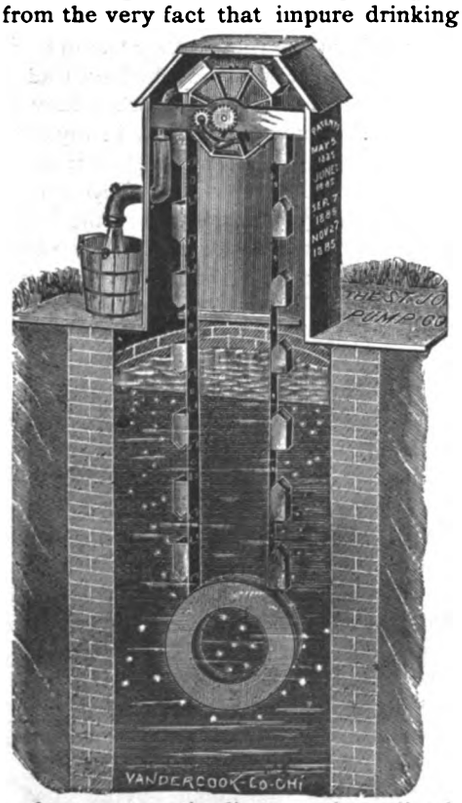
Newburgh, N. Y., March 4, 1895.

A three story brick addition to the Cleveland Machine Screw Co. has been just completed. The new building is 43 feet by 203 feet and cost $25,000.

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Perfection Water Elevator and Purifier.

The St. Joseph Pump Co., St. Joseph, Mo., have successfully turned their attention not only to the elevation of water from the well, but also to the sanitary correction of evils that the water may contain. In their Perfection Water Elevator and Purifier, which is here shown in operation, they have great reason to feel that their point has been most successfully attained. The principle upon which it works is thus described: "Every bucket descends full of air and ascends full of water. For every gallon of water drawn a gallon of air (the vital element) is circulated through the water, from the bottom to the top. This not only thoroughly agitates, ventilates and purifies the water, but it forces a large surplus of oxygen from the air into the water, and this surplus of oxygen is sufficient to consume all impurities or organic matter in the foulest water. It is an admitted fact by thousands using them, that this purifier is the only pump invented that will destroy wiggles, water bugs, water lice and make foul or stagnant well or cistern water pure and sweet, removing all color, bad taste and smell. After a few days' use the old flatness and insipidity is replaced by a sparkle like that of a mountain spring. In short, it will make bad water good and good water better." They further show that their Water Elevator and Purifier is endorsed by men eminent in sanitary science and medicine, and add: "All scientific writers, health boards and the medical world are agreed that we get our oxygen, nitrogen and hydrogen from air and water; they say: breathe pure air, drink pure water and bathe in pure water, giving as their reasons that malaria is taken into the system in three ways, namely, drank, inhaled and absorbed when bathing. The object of the medical world and health boards is to guard against contagious diseases, and prolong the human life, and from the very fact that impure drinking water is

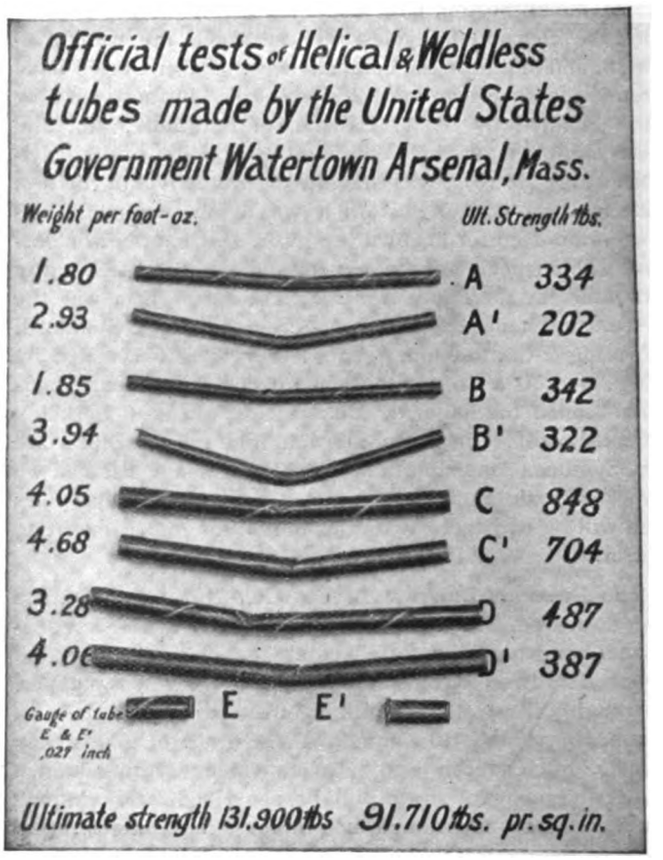


the cause of more zymotic diseases than all others combined, they so earnestly endorse the Perfection Purifying Pump. Secure and place one on your well or cistern, and the water contained therein is positively guaranteed to become as pure as water can be made (by ordinary usage) within ten days' time. Over one million Purifying Pumps are now in general use throughout the United States and foreign countries; 2500 Perfections sold in the city of Cincinnati alone last season. Many cities use it exclusively."

HARDWARE costs only One Dollar a year.

The Premier Cycle Tests Illustrated

The following unique illustration carries its own explanation. It shows the report of mechanical tests made with the United States testing machine (capacity, 800,000 pounds) at the Watertown Arsenal, Massachusetts, on January 16,



1895, for the Premier Cycle Mfg. Co., New York. The report upon these tests in detail was as follows:

TESTS BY COMPRESSION—BICYCLE FRAMES AND TUBING.

Test No.	Description.	Weight.	Ultimate Strength.
8,042	Weldless Frame.	5 lbs. 14¼ oz.	264 lbs.
8,041	Helical Frame	5 lbs. 5¾ oz.	448 lbs.

(Compressed lateral strain as in case of collision.)

Test No.	Description.	Weight per ft. ozs.	Thickness. Inches.	Exterior Diameter, Inches.	Ultimate Strength. Pounds.
8,049	Weldless Tube.	2.93	.038	.625	202
8,050	"	3.94	.043	.636	322
8,051	"	4.68	.030	1.000	704
8,052	"	4.06	.027	1.000	387
8,045	Helical Tube.	1.80	.015	.630	334
8,046	"	1.85	.016	.640	342
8,047	"	4.05	.026	1.000	848
8,048	"	3.28	.020	.980	487

(Transverse test—tube supported at ends 12 inches apart—loaded at the middle.)

No. of test.	Description.	Weight. per ft. ozs.	Thickness	Diameter.	—Ult strength, lbs.— Total Load.	Per sq.in.
8,054	Weldless Tube.	4.03	.027	1.00	3,760	91,710
8,053	Helical Tube.	4.19	.027	1.01	5,540	131,900

(Compression tests—load applied parallel to axis of tubes.)

Correct, J. E. HOWARD.

J. M. REILLY,
Major Ordnance Dept., U. S. A., Commanding.

A New Partnership.

J. R. Linn, who for thirteen years has been with Jos. Rodgers & Sons' American agents, Alfred Field & Co., has formed a partnership with D. B. McIlwaine, to deal in cutlery and Hardware specialties, at No. 122 Chambers Street, New York. The new firm will be known under the name of McIlwaine & Linn, and are the sole agents for the following concerns: Singleton & Priestman, Maleham & Yeomans, and Ward & Payne. While with the Jos. Rodgers & Sons' agents, Mr. Linn represented them to the large trade in the East, South and West. All business entrusted to the new firm will receive prompt and careful attention.

Work has been resumed at the plant of the Lakeside Nail Co., at Hammond, Ind., with a full force of men. Orders have been booked sufficient to keep the plant in operation for an indefinite time.

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The Humber and 1895.

Humber & Co., No. 318 Broadway, New York, have issued the following manifesto, which carries its own explanation in full:

SALVE.

In February, 1869, twenty-six years ago, Thomas Humber started to build bicycles, and he has been building bicycles ever since; therefore it is that the Humber Co. is the oldest bicycle manufacturing concern in the world. The Humber Co., American, Ltd., was organized for the purpose of supplying American riders with the most famous bicycles on the face of the earth, the Beeston-Humber, built on American lines, at American weights, by American workmen, using American machinery in an American factory, and managed by American brains, and we assure our friends that the bicycles we offer will be Beeston-Humbers in all that the name suggests, namely: perfection of material, workmanship, design, finish, ease of running and certainty of guarantee. We point with pride to the marvelous success and reputation of the Humber Co., and invite attention to our age and experience. We have capital sufficient, facilities second to none, and we offer the American public the best product of English engineering skill, backed by American inventive genius and energy. A fame such as imparts a peculiar meaning of quality to a name is earned by nothing save merit. It cannot be gained in any brief period of time, and cannot be retained except by maintaining the merit on which it is based.

The reputation of Humber & Co. for producing cycles of distinctive excellence and reliability has been world-wide for nearly three decades. It has been jealously guarded. At Westboro, Mass., Humber & Co., American, Ltd., have established a factory and have equipped it with the latest improved machinery, and there, as at Beeston, England, Humber Cycles will be made of only one quality, and that "Humber quality."

That the Humber is the standard which is imitated by all makers, may be easily proven. It is only necessary to examine the catalogue of other makers when the numerous allusions to "Humber pattern frames," "Humber pattern chains" and "Humber pattern bearings" will settle the question beyond the peradventure of a doubt. And this is one of the reasons why the fame of Humbers does not depend on such advertising. It rests on the "word of mouth" reports of Humber riders and experienced mechanics, who, after inspection, doff their caps to the genius of handicraft made manifest. While the expressions "high grade," "best" and "finest" have been handled by many makers until they are pitiably cheap and empty sounding, the name Humber has remained unique as applying to a quality with which none other is ever compared, a quality in describing which adjectives are not employed. It is simply "Humber quality."

We shall shortly issue a comprehensive catalogue in which we shall illustrate and describe Humber styles for 1895, and in connection therewith we wish to call attention to the fact that in making new models for each succeeding year, manufacturers usually take the models of the current year and after conning them over point by point, set to work to make their improvements. So, the study and improvement of 1894 models yields 1895 models. The American models of Humber Cycles were not designed till after all other makers, both European and American, had completed their patterns for 1895, and American Beeston-Humbers embody more improvements than any other cycles made in this or any other country. They are practically 1896 models, and in submitting our first American catalogue, we do it with the gratification of knowing that, in addition to putting on the market bicycles which are the standard of excellence in all parts of the world, we are offering also bicycles that are one year ahead of all others in improvements.

We also have no hesitancy in stating that Humbers cannot be built for less than the price we have established, and we most emphatically promise full value delivered. Every part of an American Humber Bicycle can be duplicated in case of need, and there will be little need. Every Humber turned out by us will be guaranteed, and we are ready to fill orders promptly and satisfactorily.

We are here for business, and await the pleasure of the American public, to whom we promise prompt and courteous attention.

Address all mail and applications for territory to No. 318 Broadway, New York, N. Y.

HUMBER & CO., AMERICA, LTD.

New Metallic Warp Tape.

The Lufkin Rule Co., Saginaw, Mich., who are always in the van of events in the measuring line, have at the numerous requests from patrons, just placed upon the market a Metallic Warp Tape of their own make, and which we are certain will interest the trade. A very good idea of this new article may be obtained from the illustration here given. It is described as first-class in every respect, and "the equal in all respects, of any in the market." The company add that "it certainly will compare favorably with our well known line of Steel Tapes, which rank among



the very best." The tape is five-eighths of an inch wide, made of best woven linen, with metallic warp. Hard leather cases, folding handles, with brass trimmings. The sizes and prices are here given in full:

MARKED ONE SIDE ONLY.

Length,	25ft.	33ft.	40ft.	50ft.	66ft.	75ft.	100ft.
12ths, No.	500	501	502	503	504	505	506
Price per dozen	$20.40	24.00	26.40	30.60	33.60	37.20	46.80
10ths, No.	500d	501d	502d	503d	504d	505d	506d
Price per dozen,	$20.40	24.00	26.40	30.00	33.60	37.20	46.80

MARKED BOTH SIDES.

Length,	25ft.	33ft.	40ft.	50ft.	66ft.	75ft.	100ft.
12ths and Links, No.	500l	501l	502l	503l	504l	505l	506l
Price per dozen,	$21.60	25.20	27.60	31.20	36.00	39.60	50.40
10ths and Links, No.	500dl	501dl	502dl	503dl	504dl	505dl	506dl
Price per dozen,	$21.60	25.20	27.60	31.20	36.00	39.60	50.40

TAPES ONLY, WITHOUT CASES.

Length,	25ft.	33ft.	40ft.	50ft.	66ft.	75ft.	100ft.
Marked one side, per dozen,	$ 9.60	12.00	14.40	16.80	19.20	21.60	31.20
Marked both sides, per dozen,	$10.80	13.20	15.60	18.00	21.60	25.20	22.80

Tapes marked on back in feet instead of links when wanted, at same price. Packed one-half dozen in a box.

The company further announce that they "are in a position now to furnish a full line of Steel and Metallic Warp Measuring Tapes, and it is not necessary for any dealer to buy foreign goods, when he can get as good, or better, from home manufacturers."

Some evenings since, the members of the St. John Iron & Hardware Association of St. John, N. B., were entertained at dinner by the president, W. H. Thorne. A very fine banquet was served, after which a number of speeches were made by leading members of the trade.

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Coldwell's Imperial Lawn Settee.

Thomas Coldwell, president of the Coldwell Lawn Mower Co., Newburgh, N. Y., is always busy in devising some new invention for the good of mankind. His latest in this line, which has just been placed upon the market, has a two-fold object: It gives comfort to the users, and enables the Hardwareman to add Lawn Settees to his stock. The new points for the comfort of men are readily seen from a glance at the accompanying illustration. The awning, which always accompanies the Settee, can be used in the various shapes here shown, and its advantages are obvious without explanation. The great point, however, about this Settee that will interest is the fact that an article has at last been made that can be shipped and stored in compact form, and put together or taken apart by anyone in one minute's time, without the use of a single screw or bolt. In description of this new article and its uses, the Newburgh *Register* says: "Thomas Coldwell and William H. Coldwell to-day received word from their Washington agent to the effect that a patent had been granted on their new Lawn Settee and Canopy. The fact that the application has been less than a month in going through, shows there was but little trouble in securing it, consequently very few articles combined the features used. The ordinary lawn settee is an unwieldy, heavy affair, and the awning is usually a separate and distinct article. The Coldwell Settee is solid, substantial, light and convenient. It is made of frame, slats and iron, with an adjustable canopy or awning attachment. There isn't a screw, nail nor bolt used in putting it together, it can be taken apart and packed in compact form for shipment to seaside or mountain. The advance orders before the article is placed on the market are already in excess of the stock manufactured and three times as great as it was thought the sales would be for the entire first year. The beauty of this Settee, combined with its cheapness and convenience in handling, is certain to make it a quick seller." In detailed explanation, the company say: "This Settee is made to meet the demand for a cheap and durable Settee for the lawn, croquet ground and tennis court. It is so constructed that it can be taken apart or set up in a minute, without the use of a single screw or bolt. Hence is very convenient for either storing or shipping. It is light and can be easily moved about. The parts are interchangeable, and when put together it is perfectly rigid. The Adjustable Canopy is a new and novel device, and can be instantly changed and locked in any position to shield from the sun. The frame is made of hard wood and steel. The whole structure is made of the best material. The iron work is japanned in black, and will not be affected by the weather. The wood work is painted red, and it will be an ornament to any lawn. Sold with or without the canopy." Price: 4-foot Settee and Canopy, $8; 4-foot Settee separate, $4; 6-foot Settee and Canopy, $12; 6-foot Settee separate, $6.







Orders for a great many of these Settees have already been received from the Hardware trade. The Coldwell Lawn Mower Co. will be pleased to send discounts, etc., to any who are interested.

"Hop's" Corner.

In an old copy of the New York *Herald* dated May 7, 1842, I came across the following advertisement:

CHEAP HARDWARE STORE.

The subscriber is now opening his spring supply of

HARDWARE AND CUTLERY,

received per late arrival from Birmingham and Sheffield. Together with a general assortment of Domestic Goods which he is prepared to offer at the very

LOWEST CASH PRICES.

The attention of Country Merchants, Builders, Cabinet Makers, etc. is solicited to an examination of his stock and prices, and he is confident they will find it to their interest to favor him with a call.

ALFRED F. LAGRAVE,
210 Greenwich, cor. Barclay, New York.

A regular supply of FALL RIVER CUT NAILS and Cooper's Glue. Also a complete assortment of Mechanics' Tools, James' Screws, etc.

When the writer lived at No. 83 Barclay Street, in 1848, Mr. Lagrave had the above store and it was the most pretentious on the street. Almost everything kept in a Hardware stock was imported. Files, horse-shoe nails, screws, cast butts, padlocks, etc., and many of these goods were fearful and wonderful to behold, but they were "English, you know."





Many a store in the Hardware business, and possibly any other business, has among its corps of "workers," some flippant "fresh" specimen of a clerk, who, while the head of the firm is around, seems to be the quintessence of industry and application, and when not followed up too closely makes an ordinary customer believe he "owns the whole bakery" by the cavalier manner in which he replies to any out-of-the-way questions for information; or goes through the form of entering a small order. He is always sedulously careful to quit work promptly on the hour for closing, and ditto as to going to lunch; but is not so methodical or careful as to getting to work in the morning or returning from lunch at noon. He usually has an engagement when asked to stay until nine in the evening, even with a liberal allowance of supper money, and time enough to eat the meal. He sometimes wonders why he does not progress faster in the scale of emolument, and yet he could lay his hand upon his heart and frankly confess he never to his recollection saved the house he represents a single cent by any economy in methods, any force of character in handling trade, or any knowledge of human nature in the treatment of customers, repelling more by a lack of finesse, than he gains by any painstaking endeavor to please. Why is such a specimen kept on hand any how, even if his pay is nominal?

A clerk should himself enthuse over his line of work, and actually feel an interest in his vocation, and necessarily show some love for the consequent labor inseparably connected with a successful prosecution of his employment. If he doesn't do this, how can he expect to enthuse a customer as to the merits of the article he desires to sell? He should acquaint himself with the weak points of his competitor's specialty, and know the special features which make his own in his eyes surpass the other in selling points. Then, with push and perseverence he may accomplish the desired result.

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Review of the Markets.

Financial: The slight change made by the issue of bonds on the New York market has passed away. The supply of money is not so large as it was some time ago, but there is enough for all demands. Commercial paper brings 3@4 per cent. Time money is 2@3½ per cent. for short and 3½@5 per cent. for long dates. Call money is 1½ @ 2 per cent.

Hardware: There is no doubt that the market shows signs of steady improvement. Many manufacturers state that their sales are a good deal in advance of the sales for the corresponding months of 1894. Most orders are by mail. Trade will assuredly be better when the fruits of the traveler's efforts have time to be more generally felt.

In Boston the Pig Iron market has been dull of late, a state of affairs ascribed to the peculiar inclemency of the weather this year. Stocks are very low, but prices do not respond. Old iron is quiet with but few buyers. The bar mills in New England are ignoring the middle men, and placing their large orders direct. There has been much cutting in the prices of Swedish iron, that on the market being quoted at $50 for bars. Some good plums in structural iron have fallen into the hands of the large concerns of the country. Nine hundred tons of steel for the Devonshire building has been let to the Norton Iron Works, and the iron for the large Tremont building goes to Carnegie & Co. There are other large contracts yet to be made, and reports from other cities report that a large building of tall houses will be built here this spring.

Clapp & Co., bankers and brokers, New York, in their latest weekly letter speak as follows: "Straws.—The output of steel rails in 1894 is reported as 1,014,034 tons, or about 10% less that the previous year. Of Bessemer steel ingots 3,579,101 gross tons, or about 12% more than in 1893. Birmingham, Ala., claims cost of making iron is $6.50 per ton. 36,897 patents were applied for in the United States in 1894, and 20,803 were granted. Patent office earnings were $87,392 more than the expense account. Out of 12,690,152 families in the United States in 1890 about 47.80% own their own homes, and about 5,500,000 or 6,000,000 occupy farm homes. About ¼ of all our exports come from the farmers. Pennsylvania claims her railroads represent one-fifth of the capitalization of the United States system, or about $2,000,000,000. Great Britain sent the United States 326,879 tons tin plate in 1894 against 255,583 tons in 1893, and 325,145 tons in 1891."

Cut Nails: The tone of the Cut Nail market shows improvement, and the prices that are ruling now will be held firm. The trade is expected to pick up even more as it feels the added stimulus of the spring business. There have been more building permits granted in New York this early in the year than for a long time past, and this must necessarily help the trade. Two large concerns are idle, one in the hands of a receiver, the other destroyed by fire, which causes a shortage in the market and gives the other mills more work. The cut nail manufacturers have no organization, and it is consequently harder to maintain prices. The ruling prices are: for car-load lots at mill, 75 cents; car-load lots on dock, 80 to 85 cents; small lots at store, 90 cents to $1.00.

Wire Nails: There is a large demand for wire nails, and a better one is expected. Two large wire nail factories are idle and not expected to resume for some time. This creates a shortage of from 100,000 to 150,000 kegs per month, and as a natural result the other mills have a chance to make up the deficiency. Ninety cents is the price on carload lots at mill, and 92½ to 95 cents for large lots f.o.b. Prices are firm.

Cutlery: There is a fair trade in domestic cutlery, especially so in the West. Numerous orders are on the books for future delivery. The import trade is still dull.

Nuts and Bolts: A meeting of nut and bolt manufacturers to decide the discounts on the list of February 14th, was held in Cleveland, February 20th. An agreement was reached. A series of discounts were applied without regard to quantity. Most of the large manufacturers were represented. The following discounts have been adopted by the New York dealers:

Common Carriage Bolts	70 and 10%
Machine Bolts	75%
Coach and Lag Screws	80 and 10%
Bolt Ends	80%

Locks: Nothing new can be said about locks. Trade is very dull.

Skates: Roller skates have the call, now that winter is almost over. The roller skating craze seems to have taken a new lease on life. Sales are large. One large firm alone are 20,000 pairs behind on their orders.

Blocks: The block trade is in a somewhat demoralized condition, owing to the keen rivalry existing between some of the manufacturers. Prices are not fixed.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot ₩ ℔	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl	17c. ₩ ℔
Over 3½ to 5 " "	18c. ₩ ℔
Square and Hexagon Rods, 1c. ₩ ℔ extra.	
Tobin Bronze—Piston Rods.	
¼ to 3½ inches, inclusive	18c. ₩ ℔
Over 3½ to 5 " "	19c. ₩ ℔
Antimony.	
Hallett's ₩ ℔	7¾
Cookson's	9¾
Lead.	
Foreign ₩ ℔	nominal.
Domestic	3½@3¾
Spelter.	
Foreign ₩ ℔	4¾
Western, common	4
Zinc.	
Sheet, cas.k ₩ ℔	4¾@5
Tin.	
Straits, 10 ton lots, spots ₩ ℔	15
Straits, store lots	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin	4¾
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC	5¼
Each X $1.50	
Allaway grade, IC 14x20	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20	4½
Do. 20x28	9.10
D. R. D. grade, 14x20	4¼
Do. 20x28	8½

White Lead: The movement in this line has been rather limited in prompt delivery, but for forward there has been considerable done in lead in oil at prices agreed upon by the various corroders at their meeting held in December last. English lead in oil, while not active, is selling fairly well at 6½@7 cents for "old brands," as to quantity. Other makes, however, are procurable at 5½@5¾ cents, as to make and quantity.

Red Lead: Affairs have been quiet, only small jobbing orders being received to meet current wants, but few inquiries are being made for future shipments of German, for which they are quoting 4¾@5 cents, as to make, quantity and date of delivery. Store parcels are held at 4⅞@5¼ cents, as to the size of the order. Domestic is meeting with the usual demand incident to this period of the year, at prices ranging from 4½@4¾ cents, as to quantity, less the usual discount.

Litharge: The usual jobbing demand of the season prevails from the glass trade, but beyond this there is very little interest shown in this article. Values remain steady at 4¼@4⅜ cents, as to section and quantity, less the usual discount.

Zinc: Values remain unchanged for jobbing parcels at 3¾@4 cents, as to quality and quantity. German is dull at 4½ cents, nominally, while French is meeting with the usual seasonable demand at 5¼ cents, and upwards, as to the size of the order.

Linseed Oil: There has been no change in market conditions, and unless there is a considerable improvement in the consuming demand there is no likelihood of a change.

Window Glass: The market is yet unsettled. Prices favor the buyer. Locally, discounts of 85 and 10 to 85 and 20 per cent. from the old list, are quoted on American sheet by second hands.

Plate Glass: Trade is slow and prices more or less nominal, the quoted discounts are 70 per cent. on sizes 5 feet or over, and 75 per cent. on smaller plates.

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WITH APOLOGIES TO CHAS. KINGSLEY

(And the Reader.)

Three Drummers went drumming into the West,
(Out into the West as the sun went down,)
Each drummed for the firm which paid him best,
(And their names were Robinson, Jones and Brown.)
Now Robinson drummed for the Smashem Bros.,
And Jones quoted prices on Lumber,
But Brown he knew
A thing or two,
And drummed like fun for the Humber (American).

Three buyers sat each in his easy chair
(With a smile on his face as the sun went down,)
For each had been drummed by the Debonair
(By the festive Robinson, Jones and Brown.)
But Robinson drumming failed to win,
Though fibs he told without number,
And Jones the sinner
Thought he was the winner,
Till Brown sold each Buyer the Humber (American).

Send for Catalogue and learn how he did it.

Humber & Co., America, Ltd., 318 Broadway, New York.

THE PHILADELPHIA TRADE.

The spring opens amid profound congratulations from all parts of the country that Congress has adjourned, and that once more the country is free to breathe.

The exhibition we have had of meddlesome incompetency ought to be enough for a generation, and if the Anarchist's prayer is that he may be saved from law-making legislators, we have a more hearty sympathy for Anarchists than ever before.

Now we hope that business will show signs of improvement; already it is beginning to take a more healthful look, although the depressing weather so far has retarded actual business improvement. Mail orders are once more making their appearance, which is as healthful a sign as crocuses in spring, and salesmen are finding more heart for their work.

Prices still lack firmness, although the dry bones are beginning to shake, and efforts are being made for higher prices, which are bound to come with the first improvement of business. Screws seem to occupy the first place in the minds of the public, owing to the unfortunate and unnecessary fight now being carried on by the manufacturers; the war is getting so hot, that it bids fair to be a short and merry one, when prices will be advanced to paying figures.

Wire Nails are being quoted at higher figures, and manufacturers refer to the shortage of 150,000 kegs per month as evidence that prices will be higher by April 1st. Raw material has also advanced, and we know of a case this week where a Wire Nail manufacturer bought 50 tons of Spelter at an advance of 50 cents a ton over his last purchase; of course, one swallow does not make a summer, but all these signs are healthful, and we trust with the darkey "Ther's a good time a-comin." BIDDLE HARDWARE CO.

THE GRAPHITE TRADE.

It would doubtless surprise many of your readers to learn of the numberless industries dependent in a greater or less degree upon Graphite in its various forms, as perfected by

BICYCLE LAMPS AT POPULAR PRICES.



Circle.—Glass, 2¼ inch; Oil capacity, 9 hours; Self-adjusting Socket; Rubber Joints; Detachable Oil Tanks. Weight, 8½ oz. **Price, Enameled, $1.00.**



Cyclight.—No. 57, L. Lens, 2¼ in., Enameled. **Price, $1.60.**
No. 57, Plain Glass, 2¼ in., Enameled. **Price, $1.10.**
Wick, ¾ in.; Oil capacity, 7 hours; Weight, 12 oz.



Jupiter.—No. 57, D. Lens, 2¼ inches, Enameled. **Price, $2.00.**
Wick, ¾ inch; Oil capacity, 9 hours; Weight, 12 oz.

The Milo at $3.00; Bell Rock, No. 0, at $4.00; Bell Rock, No. 43, at $5.00, and Lito, at $6.00, complete the line. They are made by H. MILLER & CO., of England, who are the largest cycle lamp makers in the world. Send for special lamp catalogue.

A. M. SCHEFFEY & CO., - Sole U. S. Agents, - 92 Reade Street, New York.

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this company. Shot polishing, powder glazing, hat making, smelting and assaying, steel casting, electrical devices, foundries, type-setting machinery, electrotyping, lace making, rubber manufacturing, the lubrication of heavy machinery and bearings, preserving wire ropes and cables, iron work, wood work and roofing, stock for stationers, Hardware dealers, painters, lumbermen and general stores.

The list is a long one, and is only touched upon to give a general idea of the sensitiveness of the Graphite industry to the rise and depression of the business of the country. Sales for February show a widespread improvement in nearly every mentioned business, and naturally to our advantage. Leaders are Crucibles, Pencils and Stove Polish.

If office work is any indication of better times, we have not for years had the mass of correspondence and detail work now overflowing us. Collections are easy. March should be what the boys call "a corker."

JOSEPH DIXON CRUCIBLE CO.

THE ST. LOUIS TRADE.

With the opening of spring in the West business in Hardware is now looking better and bids fair to equal if not surpass the trade for the same month of 1894. The volume of business is greater during the last two weeks, although the values are less. St. Louis is shipping as much Hardware, if not more, than any city in the West. There is nothing new to report in the way of advances on Iron goods with the exception of the revised list on Carriage Bolts, Lag Screws and Machine Bolts, which list has generally been adopted by all jobbers, both in general and heavy Hardware. Building Hardware is now in active demand, and specifications for future building are extremely active. While we do not look for any boom, we think there will be an increasing demand for goods.

A. F. SHAPLEIGH HARDWARE CO.

Two electrical men hailing respectively from New York and Providence, R. I., have opened large ware rooms in Boston, Mass., for the exposition of electrical devices for regulating heat of furnaces. Mark off the desired range of temperature and apply the device to the dampers, then go away assured that you will not catch cold, or be gradually toasted, two extremes quite common in our day.

A trip of inspection was made February 23rd through the works of the National Rubber Co., at Bristol, R. I., by Joseph Banigan, president of the United States Rubber Co., and Samuel P. Colt, a prominent stockholder and official of the former company. They were accompanied by the master mechanic of the United States Co.

The Buckeye Churn Co., Sidney, Ohio, announce that the Buckeye Churn "is the best and the easiest churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork." Catalogue and prices will be furnished.

The new Hardware store of D. B. Baker, Washington, Pa., is a model one, containing a first-class line of fancy, general and builders' Hardware, house-furnishing goods, stoves, harness and farm implements. Mr. Baker is a clever gentleman, good business man, and well merits success.

Large quantities of swamp maple, birch and other sorts of wood grown in southeastern Massachusetts, are burned into charcoal and sold to jewelers and manufacturers of light metal work. Three cords of wood make one hundred bushels of charcoal.

Mrs. Newbride—in Hardware store—"My husband told me to price your lawn mowers, but lawn seems so cheap and common; haven't you got anything in silk or satin?"

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

—MADE BY—

THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

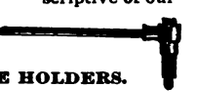
BAKING JAPANS AND LACQUERS A SPECIALTY

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.



CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden St., Bridgeport, Conn.

Campbell's "Safety Cement."

The Hugh Campbell Co., No. 45 Union Street, Boston, Mass., are putting up a Rubber Cement for the bicycle and Hardware trade for which they claim the following points: "Easy to apply; quick to dry; sure to mend; can be depended upon to do the most difficult rubber tire repairing; is also adapted for repairing hot water bottles, rubber syringes, rubber coats, boots, etc. The Cement, together with materials for mending, is put up in neat and attractive show boxes; the first Cement for the bicycle and Hardware trade ever displayed in this manner. The trade will find it a ready seller."

At the annual meeting of the Marshall-Wells Hardware Co., Duluth, Minn., the following officers were elected: President, A. M. Marshall; vice-president, Benj. E. Wells; secretary, F. W. Parsons; treasurer, A. H. Comstock; manager, Thomas McNaught. The annual reports were received and the showing proved satisfactory.

On Hudson Street there is a little shop the proprietor of which is either a merry wag or a person who has perpetrated a little joke without being aware. He has a card in the show window on which is written: "Lamps, Lamp Burners and Other Light Hardware."—*Mail and Express.*

HIGHEST GRADE.
ABSOLUTELY UNEQUALLED



Price, 25 Cents.

The "PERFECT" has won every test in competition with other oilers. Used with leading high grade wheels.

——Star Oilers, 15 cents.——

CUSHMAN & DENISON, 172 9th Ave., N. Y.

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The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)
2nd. It is the Best Razor Sharpener.
3rd. It gives the Smoothest Edge.
4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY
LARIAT MANUFACTURING CO., 405 Atlantic Ave., Boston, Mass.
New York Office, David Eastman, Manager, 64 Reade St.

Galvanized Before and After Weaving.

The Gilbert & Bennett Mfg., New York, Chicago and Georgetown, Conn., are sending their friends neat little cards bearing samples of Netting, one of which shows it galvanized before weaving, and the other galvanized after weaving. In explanation of the sample first named they say: "This piece of Netting, galvanized before weaving, was made at a Chicago factory. It was exposed in the atmosphere in Lawrence, Kan., about two years." Of the second they say: "This piece of Netting, galvanized after weaving, was made by Gilbert, Bennett & Co. It was constantly exposed to the atmosphere in Redding, Conn., over twenty-five years. All the wire in the piece was as well protected as this sample. These samples show the relative durability in any section of the country. All 'G. & B.' Netting galvanized after weaving is galvanized by the same process as was employed in coating the lower sample." It will be remembered that Gilbert, Bennett & Co., now the Gilbert & Bennett Mfg. Co., were the first manufacturers of Wire Netting in this country; they embarked in this line back in the sixties and soon realized the importance of offering a durable fabric in order to make any progress with the business. In those days the comparison between the cost of wood slats and wire netting was invariably considered. "Almost everyone scoffed at the idea that wire netting would become a regular article of merchandise with the Hardware trade, as the greater cost would deter the public from generally using it; in fact, as the demand was so limited it was a number of years before any other concern entered the field as manufacturers. To offset the lesser cost of wood, Gilbert, Bennett & Co. undertook to make a fabric of proportionately greater durability, so that in the end they could offer a fencing that would not only be better in every way, but would prove more economical. Galvanized wire was at first used and did not prove more durable than at the present time. Afterwards they accomplished the end desired by perfecting a process for galvanizing the fabric, which deposited a heavy coating of zinc on the wires after they were twisted, and at the same time did not detract from the original strength. This process is exclusively used by the company to-day. The sample shown was taken from a piece of netting made soon after the firm commenced manufacturing netting by this process and demonstrates its superiority and the extraordinary durability of the goods. Probably if the public had not discovered from experience that 'G. & B.' poultry netting was so much more durable and consequently economical than wood, the consumption would not have increased to such an extent. There are several hundred bales made now to one, twenty or twenty-five years ago." The company say: "One reason for the greater durability of netting galvanized after weaving is found in the fact that the amount of zinc applied is so much greater, namely, 17½ per cent., while that on the wire galvanized before weaving is only 3 per cent. Also by galvanizing after weaving the wires are soldered, which increases the strength of the fabric. Anyone not familiar with the two kinds can readily conclude whether netting is galvanized before or after weaving by noticing whether or not the wires are bound together with zinc where twisted."

Edward G. Shepard, builders' and general Hardware, has removed to No. 107 Chambers Street and No. 91 Reade Street, New York.



A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.
Write for Prices and Circulars.
THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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First Annual Sportsmen's Exposition

(INCORPORATED.)

Madison Square Garden, New York City,

May 18th to May 18th, 1895.

Under the Auspices of the Sportmen's Association. **CHARLES TATHAM, President.**

BOARD OF TRUSTEES:

CHARLES TATHAM,	CHARLES DALY,	FREDERICK S. WEBSTER,
J. VON LENGERKE,	JACOB H. STUDER,	JOHN S. WISE,
J. A. H. DRESSEL,	P. J. SANFORD,	ARCHIBALD ROGERS.

A MAGNIFICENT display of every thing appertaining to sports, including mounted and living specimens of North American game animals, realistic cycloramic goups of camp life and hunting scenes, log cabins and hunters' camps, showing the life of the sportsman. Also valuable paintings, books, etc., etc.

The following well known firms are among those who have taken space for the Exposition:

E. I. Dupont & Co.,
Freed Optical Co,
Union Hardware Co.,
U. S. Cartridge Co.,
Gas Engine & Power Co.,
Cleveland Target Co.,
Schoverling, Daly & Gales,
Colt's Firearms Co.,
Herman Boker & Co.,
Iver Johnson's Arms & Cycle Works,
Weibusch & Hilger, Limited,
G. O. Shields, "Recreation,"
Tatham & Brothers,
Hunter Arms Co.,
Forest and Stream,
Winchester Repeating Arms Co.,
Von Lengerke & Detmold,
American Field,
Main C. R. R. Co.,
Union Metallic Cartridge Co.,
W. Lyman & Lefever Arms Co,
Cushman & Denison,
Forehand Arms Co.,
Bridgeport Gun Implement Co.,
Shooting & Fishing,
Remington Arms Co.,
Spratt's Patent,
A. G. Spalding & Bros.

Between sixty and seventy spaces have been taken. For information regarding special railroad rates, and the rental of spaces, address

FREDERICK S. WEBSTER, Secretary,
106 East 23d Street.

FRANK W. SANGER, Manager,
Madison Square Garden.

CRESCENT BICYCLES

HIGHEST GRADE
LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels, 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs.
NO. 5 (FOR MISSES.) 26 in. Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs.
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill. **WESTERN WHEEL WORKS,** Eastern Branch, 35 Barclay St., N. Y.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Belfast, Me.—J. H. & J. W. Jones.
Bristol, Conn.—S. M. Porter & Son.
Carmel, N. Y.—Bouton & Westcott.
Clinton, Mo.—Thomas & Foster.
Constantia, N. Y.—Clayton Winn.
Holliston, Mass.—H. E. Wachschlager.
Huntington, Ind.—Dickover & Altman.
Yarmouth, Me.—R. H. McQuillan.
Storm Lake, Iowa.—Hoskins & Co.

Record of Changes.

Afton, N. Y.—C. J. Fuller, formerly of the firm of Fuller & Pearsall, has purchased the Hardware stock of D. Crocker.

Allegan, Mich.—Alfred Bennett has disposed of his interest in the Hardware firm of Abell, Phillips & Co.

Appleton, Wis.—The partnership existing between Schlafer, Barrett & Tesch, the well-known Hardware dealers, has been dissolved by mutual consent and the business be carried on henceforth by O. Schlafer and Benj. Barrett.

Aurora, Ill.—H. A. Uehren has bought the interest of his partner in the Hardware business of Case & Uehren.

Boston, Mass.—Ernest L. Davis has been admitted to partnership in the firm of Libby, Harlow & Co., cutlery and Hardware, No. 69 Pearl Street.

Bowling Green, Ohio.—Dudley Avery has purchased the interest owned by J. M. Cunning in the Cunning & Ross Hardware establishment.

Carthage, N. Y.—The old established Hardware and iron business of John E. Strickland and John E. Strickland & Co. has been succeeded by Strickland & Mosher.

Cazenovia, N. Y.—The Hardware firm formerly known as Collins & Driscoll will henceforth be known as Driscoll & Marshall, Floyd F. Marshall being the new partner in the place of the late C. J. Collins.

Chicago, Ill.—Mueller & Krautwurm, Hardware, are reported succeeded by Chris Mueller.

Chicago, Ill.—V. M. Barbour, Hardware, is succeeded by A. R. Solle.

Cleveland, Ohio.—Lewis Bros., the Hardwaremen of Woodland Avenue, are about to move their business to Bellaire, Ohio.

Corning, N. Y.—Craig & Ellis have purchased the Hardware store of E. F. Kiff, on West Market Street.

Danvers, Mass.—The firm of Henry Newhall & Co., Hardware dealers, has been dissolved by expiration of partnership, and Mr. Newhall will continue the business.

De Ruyter, N. Y.—E. S. Newitt has purchased Mr. Pritchard's stock of Hardware.

Farmington, Iowa.—Mrs. E. Fichtenmueller has sold her interest in the Hardware business to her sons, who will continue the business at the same place.

Farmersburg, Ind.—James Branson, Hardware, etc., is succeeded by Branson & Renshaw.

Fonda, N. Y.—Ferguson Jansen has sold his Hardware business to Olcott & Huestis.

Fort Worth, Tex.—McCollum & Wilburn, doing a Hardware and furniture business have taken in one of Mr. Wilburn's brothers, who increases the capital, and they will do a larger business under the firm name of McCollum, Wilburn & Co.

Glen's Falls, N. Y.—The firm of Stilwell & Whipple, Hardware dealers, at No. 134 Glen Street, has been dissolved by mutual consent. Mr. Stilwell's interest in the business was purchased by James M. Robinson.

Gloversville, N. Y.—Miller & Russell, formerly of Blossburg, Pa., have bought the Hardware store of Hanson & Decker.

Greenwood, N. Y.—The Hardware firm of Smith & Shaw, has dissolved, Mr. Smith retiring.

Hammond, Minn.—The Hardware firm of Brucher & Schonweiler have been succeeded by Wallace Arnold and Earl Dale.

Madison, N. Y.—Davis & Feuss, Hardware, are closing out business.

Norwood, N. Y.—The Hardware store of A. L. Nichols has changed hands and is now to be under the management of E. A. Weegar & Co.

Nyack, N. Y.—The Hardware firm of Blauvelt & Garner have dissolved. Mr. Garner will continue the business.

Oquakwa, Ill.—C. W. Kessler, Hardware, has sold his interest to Mr. Chant of Mendon, Ill.

Washington, Ind.—M. J. Carnahan & Co. have purchased the Hardware, door and sash business from N. B. Russell and have added it to their stock.

Improvements and Removals.

Asheville, N. C.—The building formerly occupied by the Rich Hardware Co., which was recently destroyed by fire will be rebuilt.

Blaine, Me.—F. L. Lowell has enlarged his Hardware store.

Brunswick, Pa.—The Douglass Hardware Co. are about to move into the rebuilt L. D. Hoyt & Co. building, on Newcastle Street.

Hallstead, N. Y.—James Davis, the Hardware merchant, will occupy the middle store of the new VanNess block on Main Street, when it is completed.

Hudson, Mass.—Holden & Robinson have removed their Hardware store from the Houghton block to the new Chase building.

Jackson, Mich.—Tray & Fitzsimmons have leased the store in the Haehnle block now occupied by Tuomey & Co., and will move their stock of Hardware into it at once.

Kinsman, Pa.—Wm. Clark has moved his stock of Hardware to his new room in Kay, Birrell & Co.'s new brick block.

Marion, N. Y.—A. A. West is moving his Hardware store into the location he formerly occupied, next to Winslow's drug store.

Milledgeville, Ga.—Wilson & Case have recently moved their Hardware and crockery stock into the store formerly occupied by J. B. O'Quinn.

Minneapolis, Minn.—T. M. Roberts has secured a lease of the new building, Nos. 721, 723 and 725 Nicollet Avenue and will shortly transfer his Hardware business.

Scranton, Pa.—C. L. Beers, of North Main Avenue, has made improvements in his Hardware store by placing in a new row of shelves and counter.

South Bend, Ind.—Irving A. Sibley, Hardware merchant, is making extensive improvements in his store.

Springfield, Ohio.—Isaac Ulery has removed his Hardware store to the room occupied by H. H. Stockstill.

Syracuse, N. Y.—Frank Diel, Hardware, will remove from present quarters about May 1, into a larger building.

Trenton, Mo.—Coon & Berry are making extensive improvements in their Hardware store. The top shelving will be made about five feet broad and a bridge will be built across the center of the room.

Business Embarrassments.

Fontanelle, Ia.—Edward Wadsworth, Hardware merchant, has made an assignment.

Greenfield, Iowa.—A. R. Oldham & Sons, Hardware dealers, have assigned. Liabilities about $10,000; assets unknown.

Oak Park, Ill.—Martin W. Wood, dealer in Hardware, has made an assignment to Edward Payson for the benefit of his creditors.

Toledo, Ohio.—J. C. Weber, Hardware dealer, has assigned.

Burglaries in Hardware Stores.

Fort Plain, N. Y.—Williams & Tanner, revolvers.

Redkey, Ind.—G. W. McKinney & Sons, revolvers.

South Pittsburg, Tenn.—W. H. Wilson, $200.

Vandalia, Mo.—Read & Coon, cutlery.

West Branch, Iowa.—Wm. Maris & Son, $150.

Windsor, Can.—W. C. Crawford, cutlery.

Fires in Hardware Stores.

Burlington, Wis.—F. W. Buell's Hardware store has been destroyed by fire; loss $75,000.

Buffalo, N. Y.—August Feine, Hardware, is reported burned out.

Cranford, N. J.—The Hardware store of H. C. Thornton has been damaged by fire and water; loss $500.

Garrison, Tex.—E. M. Weatherly, Hardware, etc., damaged by fire.

Haverhill, Mass.—A. W. Cram's Hardware and stove store on Merrimac Street has been damaged by fire to the extent of $1500; insured.

Kankanna, Wis.—The interior of Hass & Merbach's Hardware store on Third Street has been damaged by fire.

Lynn, Mass.—W. Henry Hutchinson, Hardware, Nos. 53 and 55 Montrose Street, store destroyed by fire, at a loss of $50.000; insured for $30.000.

Siloam Springs, Ark.—The Benton County Hardware Co., stock badly damaged by fire.

Sioux Falls, S. Dak.—Fred W. Taylor's Hardware stock has been damaged by fire and water to the extent of from $4000 to $5000.

Tomah, Wis.—The Hardware store of Johnson & Simpson has been considerably damaged by fire. Loss $2000, partially covered by insurance.

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Mr. HARDWARE DEALER,

Dear Sir:—Avail yourself of our experience and advice.

BUY YOUR BICYCLES OF THE

Manufacturers direct. You'll get better goods for the same money. That's what you want. They'll give you less trouble and better satisfaction.

The GRAND RAPIDS CYCLE CO.

Are selling dealers direct. They might be able to interest you, if you'll write them. They are the

Makers of those Bicycles Built for Business.

Address,

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The **Frictionless Falcon** Wins With **Big Ball Bearings**



Little Ball Bearings

15 BALLS MEAN 75 POINTS OF CONTACT

9 BALLS MEAN ONLY 45 POINTS OF CONTACT

YOST MANUFACTURING Co
YOST'S STATION
TOLEDO OHIO

"Birds of a Feather," etc.

A few of the leading Hardware Flock fly their colors under the

GOLD CRANK FALCON BANNER.

Albany Hardware and Iron Co., Albany, N. Y.
Schreiber, Conchar and Westphal Co., Dubuque, Iowa.
Janney, Semple Co., Minneapolis, Minn.
Beck & Corbitt Iron Co., St. Louis.
Gray Fail Company, Nashville, Tenn.
Geo. Tritch Hardware Company, Denver, Colo.
Geo. Wolf Alexander, San Francisco, Cal.

For Falcon Catalogues ADDRESS YOST MFG. CO., TOLEDO, OHIO.

NEW ENGLAND SPECIALTY CO., NORTH EASTON, MASS.

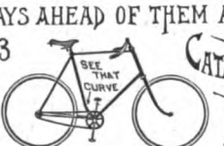
Manufacturers of
Screwdrivers, Can Openers, &c.
Sheet Metal Punching and
Nickel-Plating.



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"365 DAYS AHEAD OF THEM ALL."

17 to 23 POUNDS



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

CRAWFORD CYCLES

Are Unsurpassed. **$75.00**

The CRAWFORD MFG. CO. **$60.00**

Hagerstown, Md. **$50.00**

BRANCH HOUSES, NEW YORK. ST. LOUIS. **$40.00**

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Albany, Ga.—I. Jacobson, Hardware, etc., will accept agency for good bicycle, and invites correspondence with manufacturers.

Alexandria, La.—O. F. Millard, Hardware, etc., will take up bicycles, and is inviting correspondence with manufacturers of bicycles and bicycle sundries.

Ashland, Ky.—John H. Eba & Co., Hardware, etc., will take up bicycles. Correspondence invited with manufacturers of wheels and sundries.

Asheville, N. C.—Brown Northrup Co., Hardware, will probably add a bicycle department, and will consider propositions from bicycle manufacturers looking to accepting agency.

Belfast, Me.—F. A. Carle, lately deceased, Hardware business succeeded by J. H. and J. W. Jones, who will take up bicycles.

Binghamton, N. Y.—James J. Carr of Auburn, N. Y., sporting goods, will open a branch store, under the style of Lawson & Carr, with Ira A. Lawson, as resident manager.

Boston, Mass.—Chandler & Barber, No. 15 Eliot Street, have accepted the agency of the Monarch Cycle Co. for Boston and vicinity. R. D. Rogers will have charge of this department. Mr. Rogers is well known in the trade having been for some time with the Gormully & Jeffery Mfg. Co. of Chicago, and later with Bigelow, Dowse & Co., this city.

Chicago, Ill.—The Monarch Cycle Co., incorporated by Chandler Robbins, John W. Kiser and John S. Emmert. Capital stock $500,000.

Colesboro, N. C.—W. H. Huggins, Hardware, will add bicycles, and desires correspondence with manufacturers. Will also handle sundries.

Covington, Ga.—R. M. Everitt, Hardware, vehicles, etc., will take up bicycles. Branch business carried on at Conyers, Ga.

Dansville, N. Y.—Wm. H. Dick and Cassius J. Fritz are preparing to commence the manufacture of bicycles.

Dawson, Ga.—Owens & Gunn, vehicles, etc., are preparing to take up bicycles, and want prices and particulars from manufacturers.

Dorchester, Mass.—Virgil L. Wilson, Hardware, bicycles, etc., will open a new store at No. 894 Dorchester Avenue.

Dover, Del.—T. K. Jones & Bro., manufacturers of and dealers in Hardware, stoves, mechanics' tools, etc., have this seasoa added bicycles to their line of goods.

Elberton, Pa.—Bewley Hardware Co., contemplating opening a bicycle department, and would accept agency for a medium priced wheel. Correspondence with manufacturers of wheels and sundries invited.

Reidsville, N. C.—Denny Bros., Hardware, etc., will handle bicycles. Propositions from manufacturers are solicited.

Eureka Springs, Ark.—J. W. Newthorp, Hardware, bicycles, etc., new store opened. Correspondence invited with manufacturers of bicycle sundries.

Fort Gaines, Ga.—A. S. Brown, Hardware, will take up bicycles. Correspondence with manufacturers of wheels and sundries solicited.

Fulton, N. Y.—C. B. Rice & Co., bicycle manufacturers of Oswego, N. Y., reported to be considering the advisability of establishing a bicycle factory in Fulton. The firm report orders booked amounting to $20,000, and say they must have additional facilities.

Glens Falls, N. Y.—A. A. Budd & Sons have reopened their bicycle store with a stock of one hundred wheels.

Grand Rapids, Mich.—The Cyclone Cycle Co. has been incorporated by George C. Fitch, Ensley Martin, J. C. Simons and others. Capital stock $25,000.

Hagerstown, Md.—Railway Cycle Mfg. Co. has been incorporated by Charles H. Hartley and others. Capital stock $5000.

Indianapolis, Ind.—C. E. Johnson, who recently invented a keyless, chainless bicycle lock, is reported to be organizing a company for the purpose of manufacturing the same. He may be addressed care of Western Union Telegraph Co.

Indianapolis, Ind.—The Hay & Willits Mfg. Co., C. C. Tuttle, formerly captain of the Zig Zag Cycle Club, has taken charge of the retail department. The firm is interested in the forwarding of a local cycle show during the month of March.

Jacksonville, Ill.—John W. Hall & Son, carriages and farm machinery, have entered the bicycle business, and will carry the Rambler, Stearns, Victor and Waverley, besides a line of cheaper grades. The firm will also handle sundries, and will conduct a repairing department. Irving Woods will have charge of the firm's entire bicycle business.

Lumberton, N. C.—W. W. McDiarmid, will accept agency for good bicycle. Correspondence with manufacturers invited.

Martinsville, Ind.—W. N. Olney & Co., Hardware, new store opened. Will take up bicycles.

Mooresville, N. C.—R. H. Tomlinson, Hardware, etc., is investigating with a view of adding bicycles. Invites correspondence with manufacturers.

New Bedford, Mass.—Hoyle & Smith have opened new bicycle store in the Emerson building, on Union Street.

New York, N. Y.—L. C. Jandorf & Co. have opened a new uptown bicycle emporium, at Nos. 1799 and 1711 Broadway, corner 54th Street. A formal opening of the place was recently celebrated, and a crowd of old customers was present. The firm will keep in stock wheels intended only for the fine trade, including Warwicks, Peerless Triangles and Linwoods.

New York, N. Y.—The Ringlette Bicycle Alarm Co., incorporated by Thomas G. Medinger of New York City, Henry E. Murphy, Wm. J. Hogan and Wm. Force of Brooklyn, and James H. Beatty of Hackensack, N. J. Capital stock $30,000.

Southville, Mass.—M. R. Clark, bicycles, is erecting a new building and will do a repair business.

Winston, N. C.—Wall & Huske, Hardware, are preparing to handle bicycles. Want prices and particulars from manufacturers of bicycles and bicycle sundries.

Syracuse, N. Y.—The Cullman Tubular Hub Co. have incorporated, with Otto Cullman, Harris S. Van Wagenen and Alfred Wilkinson as directors, to manufacture bicycles, wheels, etc. Capital stock $25,000, divided into 250 shares.

Syracuse, N. Y.—C. Edward Wood has severed his connection with the firm of W. H. Wood & Son, and will go into the bicycle business. Correspondence with manufacturers of bicycles and bicycle sundries invited.

Washington, D. C.—The Cyclone Combination Cycle Co., new office opened at 610 F Street, G. F. Smith and Paul Von Boeckman in charge.

Washington, D. C.—The Enterprise Cycle Co., new firm, commenced business at No. 908 New York Avenue. The firm is composed of G. W. Ribble and L. K. Miller, formerly with F. S. Cahill & Co. They will carry the Syracuse wheel.

Westboro, Mass.—Humber & Co., the English corporation which recently acquired control of the Westboro Cycle Co.'s plant, and which it is said have a capital of $375,000 have made extensive additions to the plant, and work has been resumed.

Westboro, Mass.—Humber & Co., bicycle manufacturers, general offices and headquarters established at No. 318 Broadway, New York City, with Elliott Burris as general manager.

New Goods and Improvements.

New York, N. Y.—The Bridgeport Gun Implement Co., No. 313½ Broadway, are introducing a new bicycle stand.

Unadilla, N. Y.—The Unadilla Tie Co. are introducing an improved bicycle luggage carrier.

Worcester, Mass.—J. J. Warren Co. are putting on the market a new leather tool bag for bicycles.

Changes and Removals.

Berryville, Ark.—W. R. Hamilton & Co., Hardware, bicycles, etc., have succeeded W. R. Hamilton.

Farmersburg, Ind.—James Branson, Hardware, bicycles, etc., has been succeeded by Branson & Renshaw.

Grand Rapids, Mich.—Cycloid Wheel Co., manufacturers of bicycles, reported as having gone out of business.

Philadelphia, Pa.—Kennedy & Curtis, sporting goods, succeeded by Geo. S. Kennedy.

Miscellaneous.

Newark, N. J.—S. Rose, Nos. 13 and 15 Franklin Street, is offering for sale a plant for the manufacture of bicycle sundries. Also a large stock of goods made up ready for market. The reason assigned for selling is sickness, and the price offered is $1200. The enterprise is protected by patented machinery and tools, all of which are reported to be new, and in good condition.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4S, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

APOLLO, CYCLOE AND FAIRY BICYCLES



HIGH GRADE
For
$75.00,
List.

The "APOLLO." 28-inch Wheels, Ball Bearing Throughout; Morgan & Wright Tires. Weight, all on, 24 lbs.

The "CYCLOE." (Boy's) 24 and 26-inch Wheels; All Ball Bearing.

The "FAIRY." (Girl's.) 24 and 26-inch Wheels; All Ball Bearing.

Send for Catalogue.
EDW. K. TRYON, JR. & CO.,
PHILADELPHIA.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

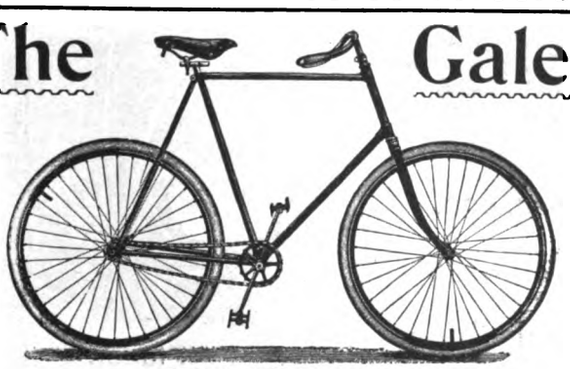
Highest and Medium Grades, all sizes and weights.

EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade), -	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade), - -	75.00
OVERLAND, 28 in. for Ladies and Gentlemen, -	65.00
OVERLAND, 26 in. " " " - -	50.00
OVERLAND, 24 in. for Boys and Girls, - - -	40.00

Also job lot and second-hand Cycles, Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.
ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
20 lbs., $90.00; 24 lbs., $80.00; Ladies', $85.00.
Improved on last year's at every point
AGENTS SOLICITED, LARGE DISCOUNT TO DEALERS.

A Bicycle

MADE FROM

Aluminum

is better than one made from STEEL

Two years' service has PROVEN this.

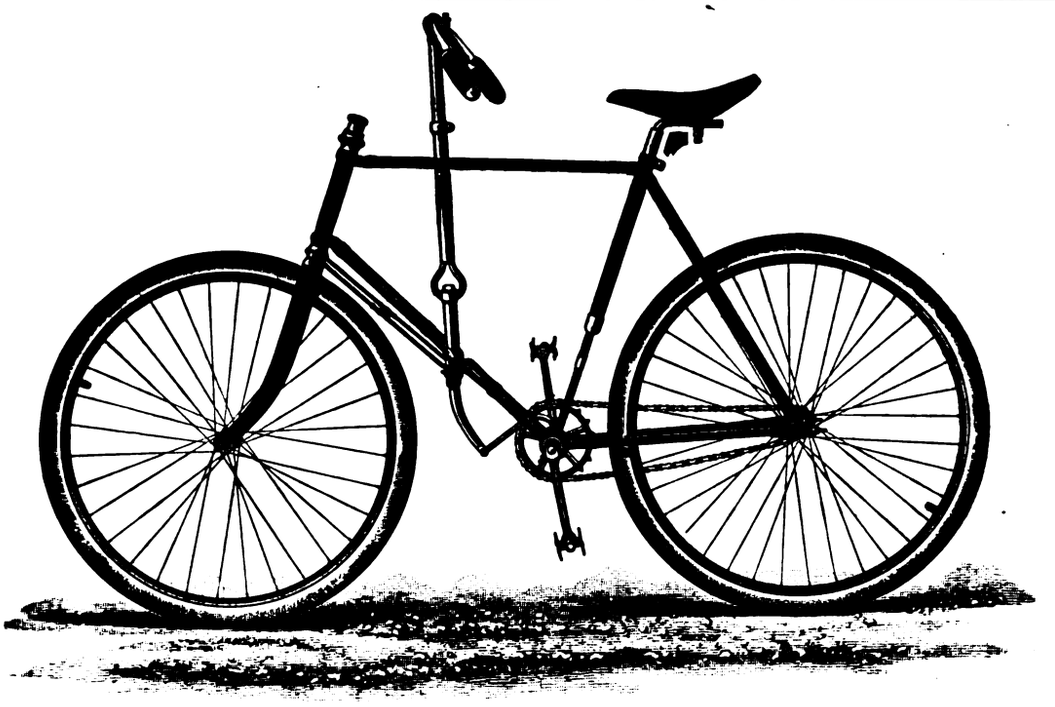
IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-Mi-Num is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. C. Co.,
Capital, $500,000.00 St. Louis, Mo.

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When selecting a bicycle to represent during the coming season, consider ultimate results.

The "DORSETT" is here to stay. It represents every feature of the best wheels on the market with added points of novelty and merit that are bound to make it a "seller."

Interchangeable methods of cycle propulsion presented in the simplest and most efficient mechanical constructions, and perfectly independent of one another.

With the principles exhibited in a practical manner, and construction "special" in every part, the "DORSETT" represents the highest perfection in the art of bicycle making.

Send for catalogue which tells you all about details.

CYCLONE COMBINATION CYCLE CO., 309 BROADWAY, N. Y.

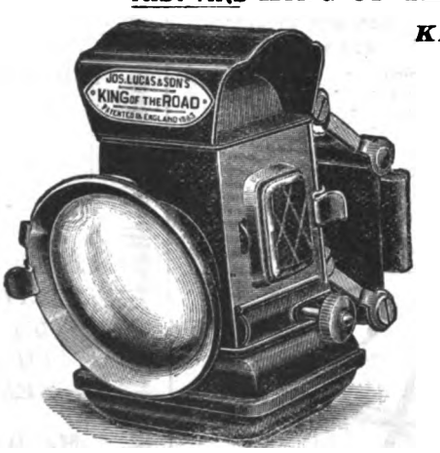
Lucas Lamps for 1895



Toura.

Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



King of the Road, 000.



Planet.

RECOGNIZED by the trade AS the BEST.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents; John H. Graham & Co.,

Write for Prices. **113 Chambers Street, New York.**

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ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

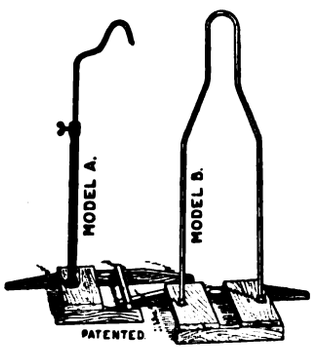
Paterson, N. J.

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS.

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.

ANDRAE CYCLES

SHOW:

INVENTIVE GENIUS

PRACTICAL RESULTS

SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE

MILWAUKEE, WIS. U.S.A.

Attention, Road Riders!

You want it; we have it.

A light, durable, fast wheel containing all the latest improvements.

Such is the **Puritan** TRADE MARK

Write for Catalogue.

Made by **O. J. FAXON & CO.,**

3, 5 & 7 Appleton Street, Boston, Mass.

The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit coroespondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.



"JUST THINK OF IT!"

15,000 BRIDGEPORT CYCLOMETERS SOLD DURING 1894.

The "BRIDGEPORT" is the only Cyclometer which has given universal satisfaction and is

WORTH ITS WEIGHT IN GOLD.

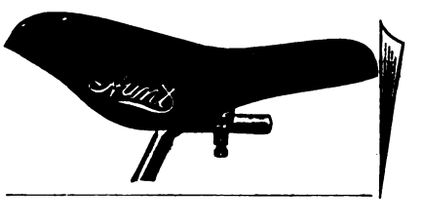
Made in three styles, Models "A," "B," and "C," For 26, 28 and 30 inch wheels. Sold by all dealers at low prices.

MODEL "A" registers 1000 miles accurately and repeats. MODEL "B" registers 1000 miles accurately, repeats and rings a bell at every mile. MODEL "C" registers 10,000 miles accurately and repeats.

"FULLY GUARANTEED."

Send for complete catalogue of all sundries manufactured by

The Bridgeport Gun Implement Co., - 313½ B'way, New York.



Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information. . . . . .

HUNT MANUFACTURING CO.,

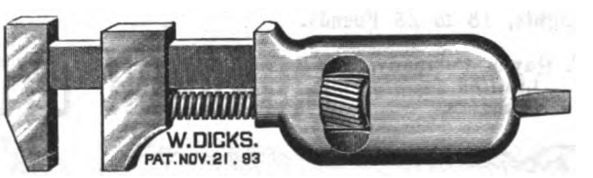
Westboro, Mass.

R. B. McMULLEN & CO,

Chicago, Ill. and New York.

Housekeepers like this tool

Cycle riders want it. **It is SO handy.**



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co., Buffalo, N. Y.

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Shrewd Hardware Dealers

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES.

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York.

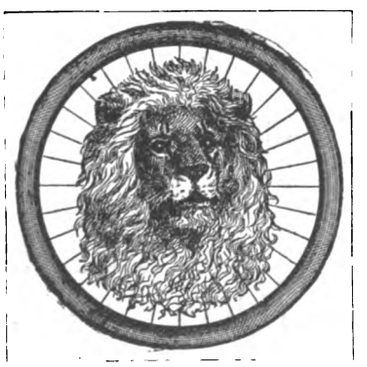
1895 1895

The Monarch

IS THE NAME OF THE BICYCLE THAT HEADS THE PROCESSION.

Weights are light, Prices right, and the Wheel—is "out of sight."

OUR 1895 PATTERNS ARE THE ACME OF MECHANICAL PERFECTION.



Designs Unequaled, Materials Unexcelled, And, for a HIGH GRADE BICYCLE

See them and be Convinced.

Our Prices are Unapproachable

Weights, 18 to 25 Pounds.

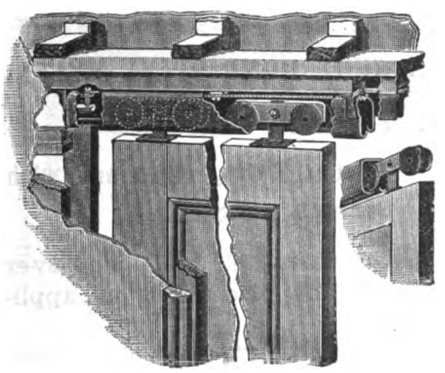
Prices, $85 and $100.

C. F. Guyon Company, Limited, Managers.

MONARCH CYCLE CO.,

Eastern Branch: 97 & 99 Reade Street, New York.

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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hangers.

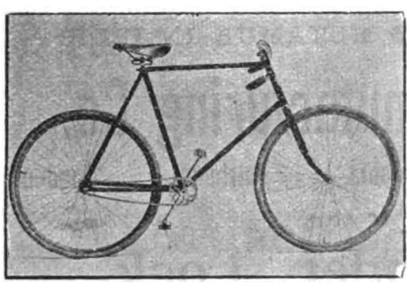
SEND FOR CATALOGUE.

COBURN TROLLEY TRACK MFG. CO.,

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
ST. LOUIS, MO.

Hardware Dealers

Just Ask Us For Catalogue and Quotations.

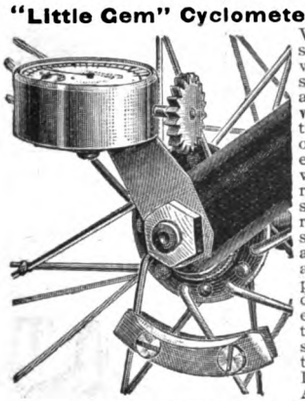
WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada.

"Little Gem" Cyclometer for 1895



Will be an Instrument that will sell. Its special features are its **price, weight, size** and the small amount of Power required to operate. It will register correctly at any speed. Will not rattle and will stand considerable **hard usage,** and we will repair it any time during the Calendar Year, if the postage is sent for its return. Price **$1.25** Disct. to Agents. Address

AMERICAN INDICATOR CO., LAWRENCE, MASS.

REMINGTON HAMMERLESS GUNS.

Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.

10 Qualities, from $45.00 Upwards.



GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.

SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

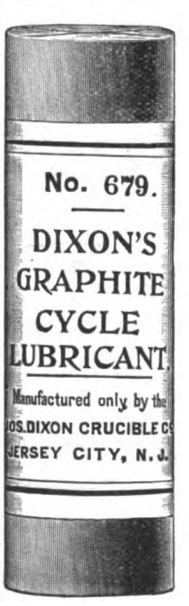
East India GRAPHOLINE costs a little more but it is **High Grade,** put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. **632 Fourth Ave.,**
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,

Jersey City, N. J.

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K. & E.

SPRING JOINT STEEL RULES.

K. & E.

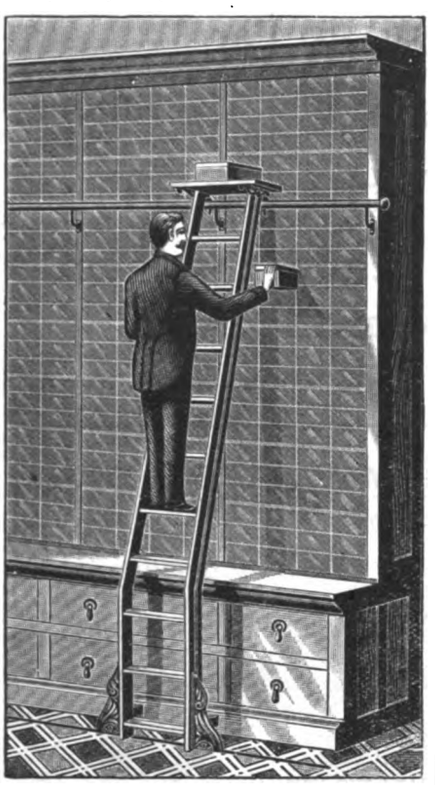
Pocket Rules, plain and with springs.

These rules sell well wherever shown. Trade price list on application.

SCALES, PLUMB-BOBS, THUMBTACKS, &c.

The Bicycle Step Ladder

Especially adapted for Hardware Stores.



The newest, neatest, simplest, easiest operated, and safest store ladder made. Highest Award World's Fair. Wri.e us.

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

N. Y. Agency, E. J. HUSSEY & Co., 80 John St.



Headquarters for

TINNERS' HARDWARE & ROOFERS' SUPPLIES.

Largest stock, greatest variety. Prices lower than ever.

Write us before buying elsewhere

BERGER BROS.,

PHILADELPHIA.

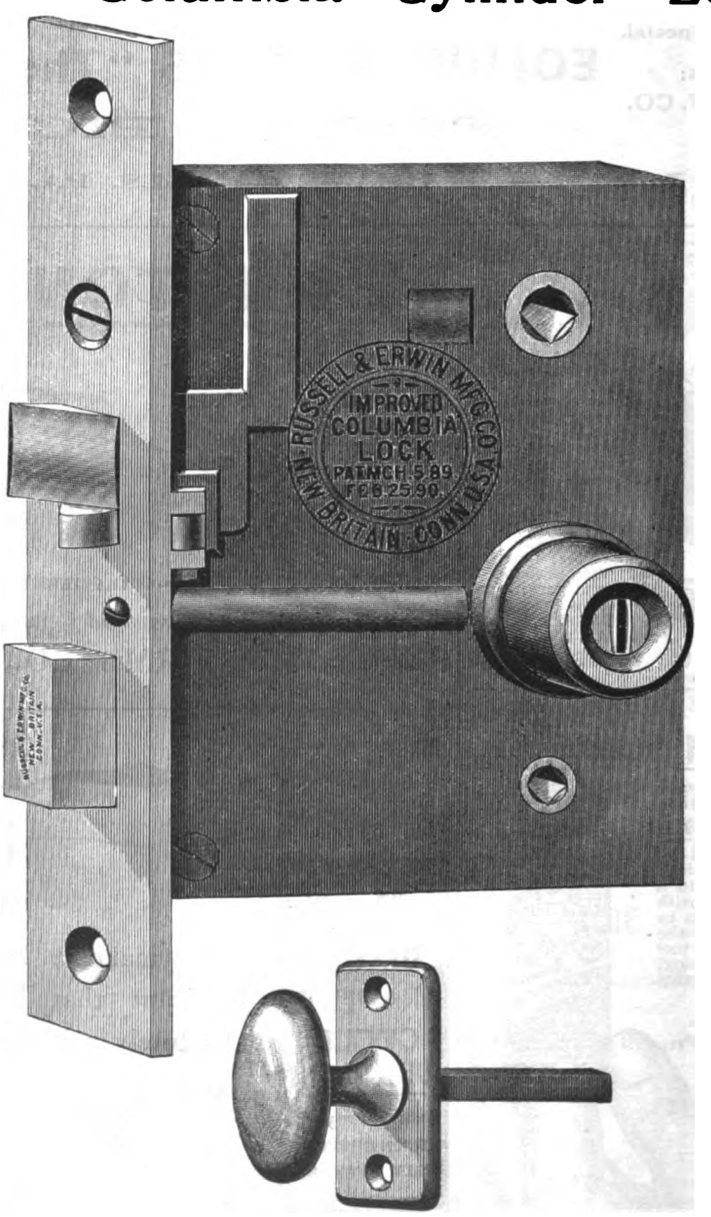
TEMPORA MUTANTUR ET NOS MUTAMUR IN ILLIS.

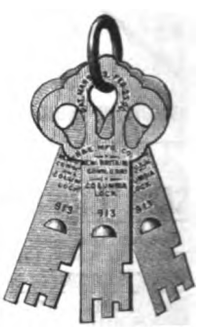
Russell & Erwin Manufacturing Co.,

New Britain, Conn. New York. Philadelphia. Baltimore. London.

Manufacturers of the

Columbia Cylinder Lock.





Front Door Lock, No. C1230.

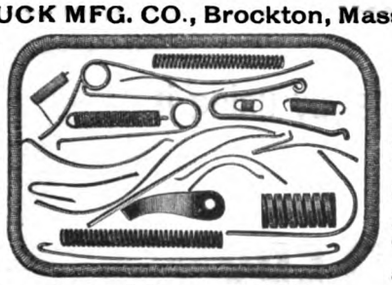
The Columbia Cylinder Lock is made for Front, Vestibule and Office Doors.

The Office Door Lock is especially adapted for large office buildings.

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TUCK MFG. CO., Brockton, Mass.

Springs, Tools & Cutlery.



Send for Tool Catalogue.

Tempered Springs of all kinds.

The McCrum

Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

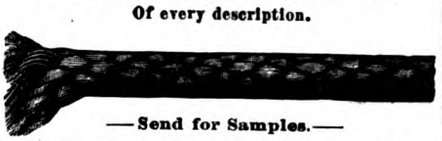
H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

Braided Cord

Of every description.



—Send for Samples.—

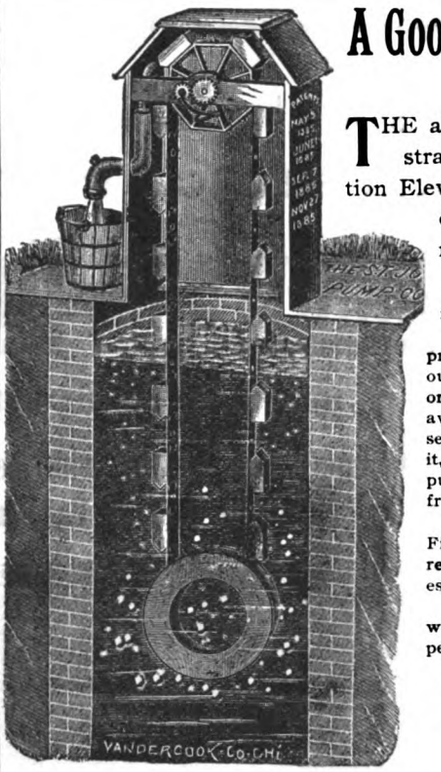
TATE MFG. CO., MALDEN, MASS.

PLACE

THE MATTER

CLEARLY.

To make a man realize an idea as you realize it, is what is necessary to make him understand his needs. Advertisements should aim to place a matter so clearly before the public that they see it as clearly as the advertiser does.



A Good Article Will Always Sell

THE above fact has been thoroughly demonstrated by the large sales on the "Perfection Elevator and Purifying Pump" in the last eighteen months, when every other business almost has been at a standstill.

The prospects for a booming trade on the **"Perfection"** for the coming season were never better.

"The proof of the pudding is the eating." Our proof of the "Perfection" is the orders we now have on our books for Spring delivery. Dealers place your orders at once for shipment in the next ninety days, to avoid delay in getting your orders filled promptly, and sell the best pump in the world. If you don't believe it, write us for our illustrated catalogue and book on pure water, which contains hundreds of testimonials from the best dealers in the United States.

We have made another improvement in our D. G. Fixture, as well as our new combination spout and receiver of cast iron. Our guarantee to purify the foulest well or cistern in ten days use, always stands good.

We are also manufacturing a new irrigation pump with capacity of one hundred to two thousand gallons per minute. Address us for prices. Mention this paper.

ST. JOSEPH PUMP CO.,

ST. JOSEPH, MO.

We Challenge the Claim

That Ice Cream can be Frozen
Any more quickly
In any Freezer made
Than in our



LIGHTNING

. OR .

GEM

FREEZERS.



NORTH BROS. M'F'G CO.,

PHILADELPHIA, PA.

New York Agents, JOHN H. GRAHAM & CO., 113 Chambers St.

OHIO ICE CREAM



A high-grade Freezer.
Mechanically Correct.
Fittings Accurate.
Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE

Saml. C. Tatum Co.

Sole Mfrs.,

254 Water Street,

Cincinnati, O.

FREEZER

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Every Dealer can save a hundred times its cost by using it.

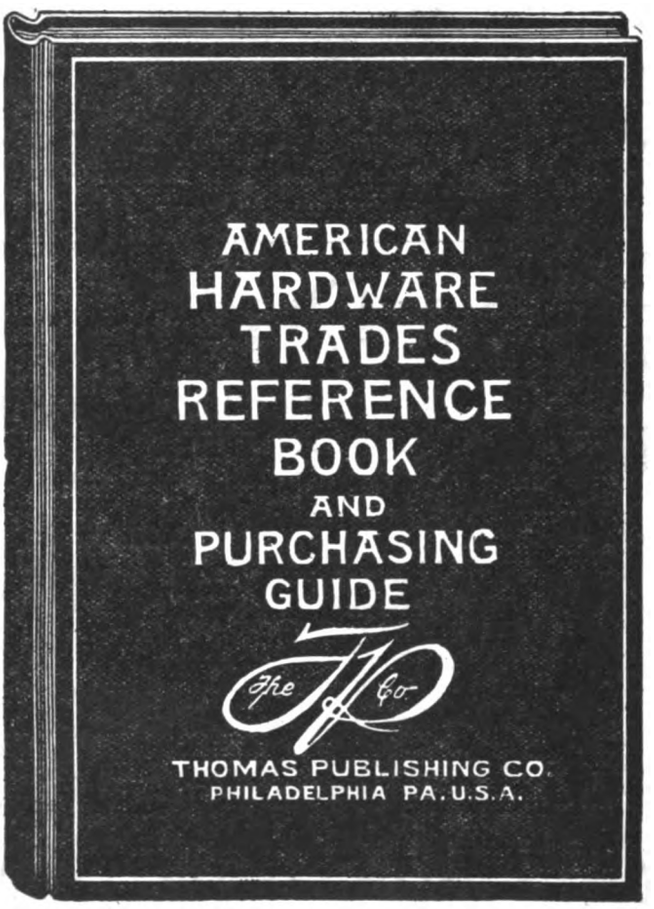
REFERENCE BOOK

FOR HARDWARE DEALERS.

To enable them to purchase to the BEST advantage.

The Names of all the Manufacturers, over 15,000, with the Financial Rating of each, including all in the U. S. & Canada of

HARDWARE of all kinds, **IRON & STEEL** of every kind, **TOOLS** of all kinds, **HOUSE-FURNISHING GOODS** of every description, **STOVES, RANGES, HEATERS,** and all kinds of



COOKING APPARATUS, and **UTENSILS, AGRICULTURAL IMPLEMENTS, MACHINES** and **TOOLS,** of every Description, and all other articles handled by the trade.

Cloth Bound, six times size of cut.

THE USE OF THE BOOK.

THE book is minutely classified by an alphabetically arranged index, naming every article handled by these trades. For instance: If you wish to find all the manufacturers of wire fence, you turn to "Wire Fence" in the alphabetical index and it will show you all the manufacturers of wire fence in the United States and Canada, arranged alphabetically by States, and the amount of capital invested by each in the business, showing which is the largest, etc. If you desire to know who makes the "Eureka" brand of fencing, you can find it in the same way. The same applies to every article and every special kind or brand of article handled by these trades.

A subscription to the book includes the free use of our library of Directories, Reference Books, Catalogues, etc., for any information desired.

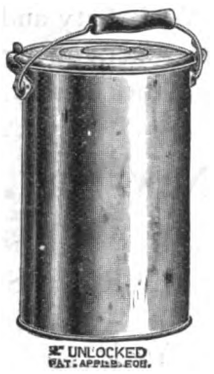
For Sale by the Hardware Publishing Co., 148 Chambers St., New York.

Price $5.00, Express prepaid to any part of the U. S.

Also, Directories of Hardware Implements and Sporting Goods Dealers of the U. S. and Canada, with ratings.

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Cream Cans AND Cream Can Trimmings.



Cream Cans

With Plain Covers.

With Deep Covers.

With Extra Deep Covers.

Self-Locking.

Fairmont Cream Can Gauges.



Cream Can Trimmings.

Cream Can Bottoms, IX, IXX, IXXX.

Cream Can Covers, Plain, Deep, Extra Deep.

Self-Locking Trimmings.

Ears, Lugs and Bails.

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS,

Milwaukee, Wisconsin.

NEW

GALVANIZED WATERING POTS.



Improved Spouts. **Deep Deflected Bottoms.**

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

Factory and Salesrooms, BALTIMORE, MD.

NEW YORK BRANCH
43 Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge.

THE JOBBER WHO FAILS

To offer his Customers during the approaching Spring, the chance to buy the . . . . . .

Columbia Tack Pullers

will not be doing justice to himself, his Customers, and our efforts to push the sale of these most excellent articles. Now is the time to "pull" with us. . . . . .

THE AMERICAN SPECIALTY CO.,
Hartford, Conn.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO.,
General Southern Agents, Atlanta, Ga.

CURIOSITY.

If you can arouse curiosity by an advertisement it is a great point gained.

The fair sex don't hold all the curiosity in the world.

First catch the eye, then appeal to the reason.

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To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴



Empire Desk Co., 406 Broadway, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneur's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Sterectype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

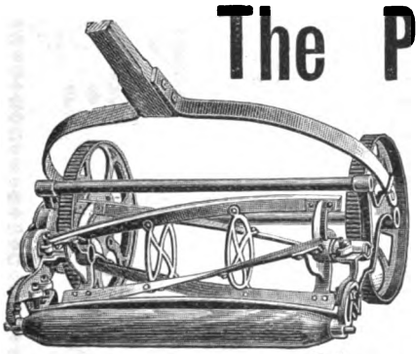
Gouverneur, N. Y.

U. S. A.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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The Philadelphia Lawn Mower Co.,

3107 and 3109 Chestnut Street,

PHILADELPHIA, PA.

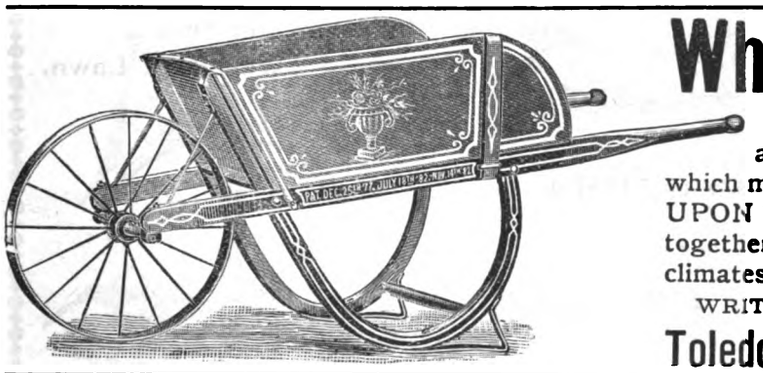
Patentees and Manufacturers

—OF—

The Genuine "PHILADELPHIA" Lawn Mower.

Unexcelled in Quality, Durability and Simplicity.

SEND FOR PRICES AND DISCOUNT.



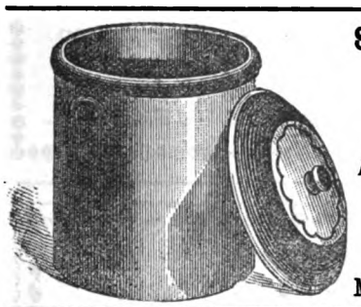
Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

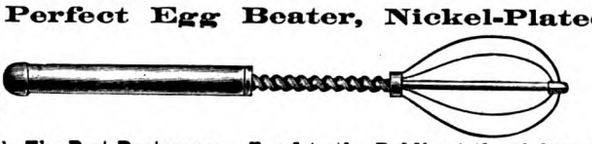
Toledo Wheelbarrow Works, Toledo, O.



Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.

The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.



Patent Allowed. **The Best Beater ever offered to the Public at the right price.**

Manufactured by **F. H. WEEKS, Akron, O.**



"Self-Closing" Tomato Vine Supports.



READY FOR USE

A boon to every gardener.
A profitable article for every Hardwareman. Sells on sight.
Can be left in the ground all winter if you are "too tired" to take them in. $12 per gross.
For further particulars write

The **LEWIS MFG. CO.,**
UTICA, N. Y.

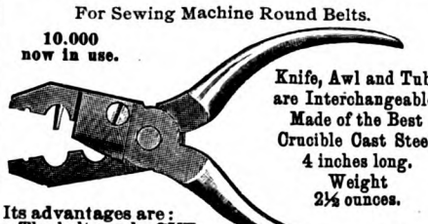


NOT IN USE

ENTREKIN'S COMBINED CUTTER PUNCH AND PLYER.

For Sewing Machine Round Belts.

10,000 now in use.



Knife, Awl and Tube are Interchangeable. Made of the Best Crucible Cast Steel 4 inches long. Weight 2½ ounces.

Its advantages are:
The belt can be CUT at any angle; the hole can be PUNCHED any distance from the END, to suit different length hooks.
This well-known Punch is now made with either the Awl or Hol ow Tube.
For sale by all first-class Hardware dealers.

Sample sent by mail on receipt of $1.00 (P stal Note or 2c. Stamps). Extra Knives 10c., Awl or Tube 15c. each.

S. W. ENTREKIN, Manufacturer & Patentee, Harrisburg, Pa.



ORMONDS RHEUMATIC REMEDY

CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

ORMONDS M. C. CO.,
51 Dey Street, New York City,

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The Enterprise M'f'g Co. of Pa.,

Third and Dauphin Streets, Philadelphia.



ENTERPRISE

Ice Shredders,

FOR

SHAVING ICE,

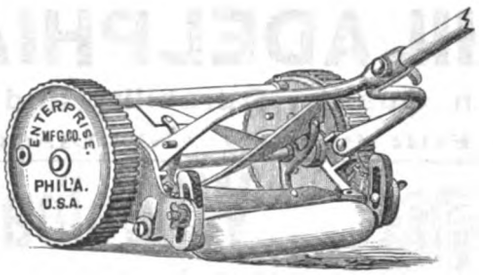
Coarse or Fine.

PRICES:

No. 33, Tinned, $7.20 per doz.
No. 34, Nickeled, 24.00 "

ENTERPRISE

LAWN MOWERS.



PAINTED or TINNED.

8 OR 5 BLADES.

7, 9, 11, 13, and 15 inches.

ENTERPRISE

Lawn Sprinkler,

TINNED.

Indispensable to a Well Kept Lawn.



No. 1, - - Price, $3 50

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE, FREE.

THEY ARE AFTER US! . . . .

WHO!

Why, Good Live Hardwaremen, proud of their reputation with their townsfolks, and anxious to add to their list of friends and customers. THEY ALL WANT OUR

LAWN MOWERS

They Are THE PENNSYLVANIA,
THE CONTINENTAL,
THE NEW QUAKER CITY,
THE GREAT AMERICAN,
THE RAPID TRANSIT,
THE NEW DEPARTURE,

All Leading Jobbers Sell Them.
Write for Catalogue and Prices.

SUPPLEE HARDWARE CO.,

Philadelphia, Pa.

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

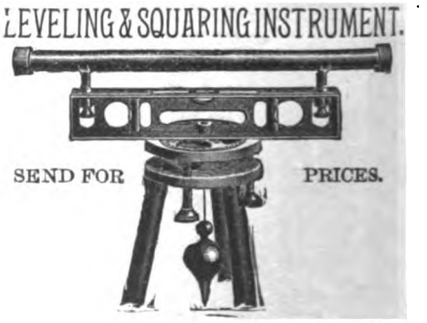
NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO., EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

LEVELING & SQUARING INSTRUMENT.



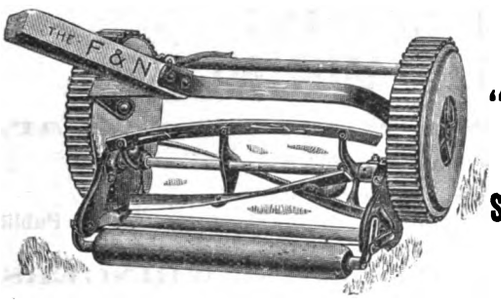
SEND FOR PRICES.

C. F. RICHARDSON & SON.
25 MAIN STREET, ATHOL, MASS.
Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronze Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

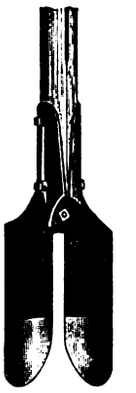
Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

OUR LINE OF

Post-Hole Diggers

Comprises (6) of the Best known styles on the market.

PRICES GREATLY REDUCED.



LAWN RAKES.
GARDEN RAKES.
GARDEN WEEDERS.
POST HOLE DIGGERS.
LAWN SPRINKLERS.
CURRY COMBS.
CAN OPENERS.

GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES AND ALL KINDS OF FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

ASK FOR THEIR

DIAMOND FORKS & RAKES.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

Line for 1895.

List Now Ready. Send for It.

SPRINGFIELD, MASS.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use Send for Book of Discount on trade, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

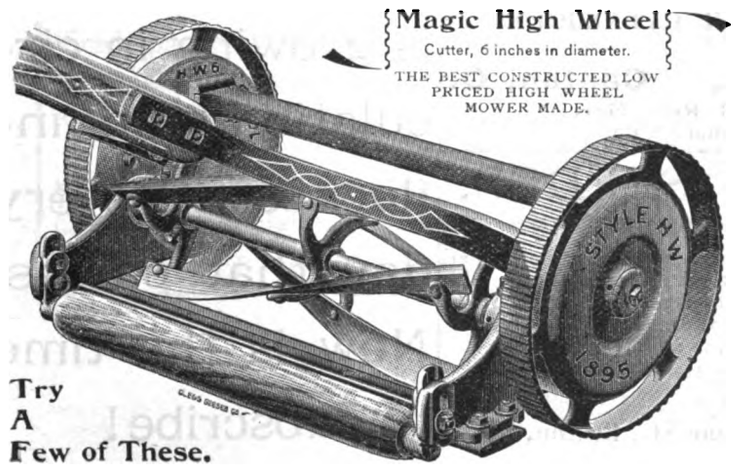
SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

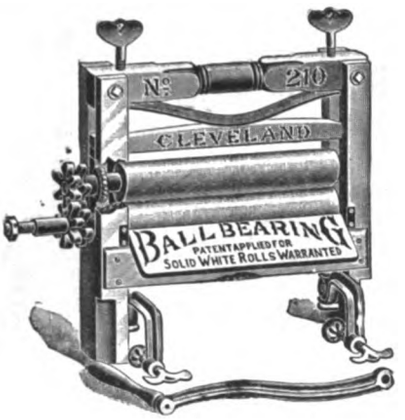
OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

DILLE & McGUIRE MFG. CO.,
Richmond, Ind. U. S. A.

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No More Broken Backs!

THE BALL BEARING

"CLEVELAND" WRINGER.

No Friction. No Purchase Gear.

Built on the same principles as a Bicycle and runs

Just as Easy.

A year and a half on the market has made this Wringer the *most popular* in Public Favor. A large line of the well known

PEERLESS AND METROPOLITAN WRINGERS.

Write for our Illustrated Catalogue.

THE PEERLESS MFG. CO., Cleveland, Ohio.

Also manufacturers of "TRIANGLE" BICYCLES.



Revolution in Washing Machines.

Every machine guaranteed to wash Lace Curtains without the least injury; also not to get out of order.

Cypress Lumber and Tinned Nails Used in Construction.

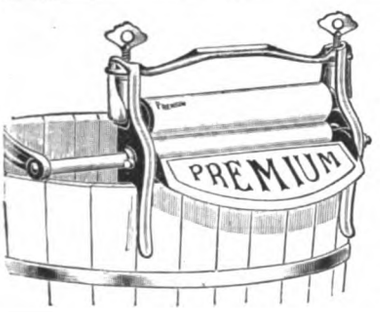
No. 1 Family Size; No. 2, Hotel Size. MENTION THIS PAPER.

Write for Prices and Terms.

The Champion Washing Machine Co.,

213-223 West Third St., Cincinnati, Ohio.





There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

Manufacturers, MONTPELIER, VT.

SURPLESS, DUNN & ALDER,

Direct Representatives,

15 Murray Street, NEW YORK.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



Holds any pipe. Fits any flue. Absolutely soot and spark proof. Impossible for pipe to work loose, Neat, durable, inexpensive.

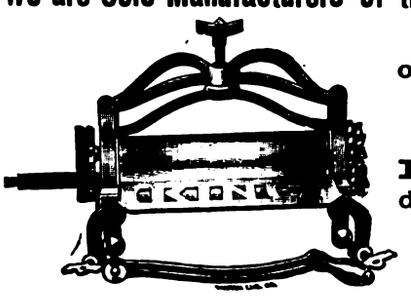
Liberal Discount to the trade.

One dealer in towns of 1,000 or less.

Write for Prices,

J. K. RANDLES, 309 MAINE ST., Quincy, Ill.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the **ERIE** and **KING** Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.



BOSTON RAISIN SEEDER.

THE ONLY PERFECT RAISIN SEEDER.

The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.

Retail price 25 cents. Special price to the trade.

Manufactured by

Geo. H. Mason & Co., 152 Blackstone St., Boston, Mass.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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THE
GRIP
WIRE STRETCHER.

THE BEST, STRONGEST AND CHEAPEST MADE.

Is the only stretcher that will stretch chicken wire. Write for prices to

W. C. HELLER & CO., MONTCLAIR, N. J.

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

An Advertisement

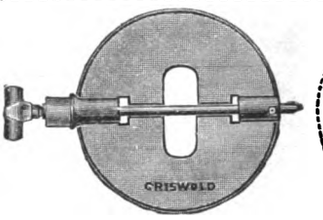
If you have a sign over your door, you are an advertiser. The sign is intended to advertise your business to passers-by. An advertisement in a reliable Trade paper is only so many thousand signs spread over a great many square miles.

You can't carry everybody to your sign, but HARDWARE can carry your sign to everybody.

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.





Wood or Nickel Handle.
Ask for the
AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE
Send for Samples

Griswold Mfg. Co.,
Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

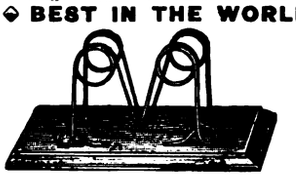
CLEVELAND, OHIO,
MANUFACTURERS OF WIRE RODS, AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,
SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.
WIRE Straightened and Cut to Lengths.
Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

Manufacturers of WIRE in great variety.
NEW HAVEN, CONN.

TO KEEP A BROOM

Use the COMMON SENSE BROOM HOLDER. It keeps a broom dry, keeps it in shape, keeps it from rotting. Holds a Broom either end up.
BEST IN THE WORLD.



"WIRE HANGERS."

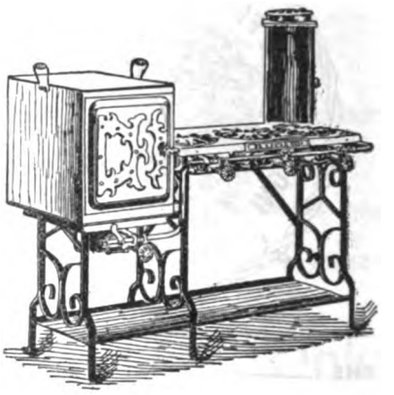
12 STYLES FOR
Ladies and Gents Garments.
WRITE FOR PRICES TO THE
BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa



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Facts of Interest to the Public.





Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

"NEW GEM"

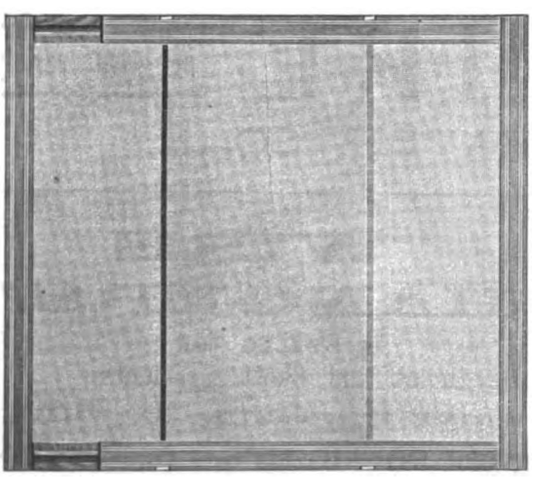
we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

AGENTS:

BARSTOW STOVE CO, No. 228 Water Street, New York, and No. 56 Union Street, Boston, agents for the New England States, New York State and Long Island.
THE MT. PENN STOVE WORKS, No. 111 N. Second Street, Philadelphia, and Reading, Pa, agents for Eastern Penna., Northern New Jersey and Delaware.
WEBER & GEBHART, Dayton, O., agents for Southern Ohio.
A. BALDWIN & CO., LTD., New Orleans, agents for Louisiana.
E. H. HUENEFELD, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
HOME STOVE CO., Indianapolis, agents for Indiana.
THE SCHAAB PUFF STOVE CO., St. Louis, agents for Missouri.
MESSRS. STANDART BROS, Detroit, Mich., agents for Michigan.
ROBERT ROBINSON & SON No 105 Lake Street, Chicago, agents for Illinois and portions of Iowa.
J. P. LINDEMANN & SONS. Milwaukee, Wis., agents for Wisconsin, Minnesota, North and South Dakota and Montana.
THE RICHARDS CONOVER HDWE CO., Kansas City, Mo., agents for Kansas.
THE DENVER STOVE & HDWE. CO., Denver, Colo., agents for Colorado.
THE STOLLBERG-CLAPP CO., Toledo, Ohio, agents for Northwestern Ohio.
M. F. TALLMAGE, Buffalo, N. Y., agent for Buffalo and Erie Co., N. Y.
FOSTER-STEVENS & CO., Grand Rapids, Mich.
BRADLEY, MUNK & CO, Columbus, Ohio.
DUNLAY & GEISLER, Houston, Tex., agents for Texas.
WM. E. GALBREATH, south-east cor. Lombard and Light Streets, Baltimore, Md., agent for Maryland and Virginia.

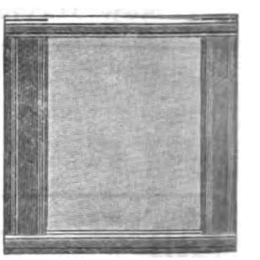
PHILLIPS' AIR STRAINERS



THE FLYER.

Are Reliable!

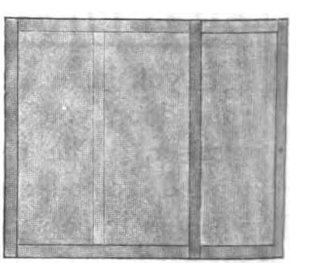
CLEAN CUT, HANDSOME SALABLE PATTERNS IN DOORS AND WINDOW SCREENS.



BONANZA.

Nice wholesome goods, well made from good materials.

Retailers of Phillips' Screens will be furnished with large cloth signs reading: "HEADQUARTERS FOR FLY SCREENS! Wire Stock, Spring Hinges, and Screw Hardware, etc."

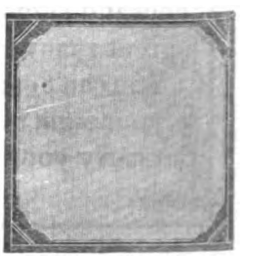


EXTENSION.

If your jobber tells you something else is just as good as "THE PHILLIPS," ask him why he bought the "substitute." If he tells you the truth, he will say (in most cases): "Why, our folks could buy the other screen (which is just as good) for half a cent apiece cheaper." This brings out two more questions:

"Why did the other fellow offer his screen half a cent less than Phillips?" and "Does half a cent cut any figure unless you are *certain* the other goods are equally salable?"

The jobbers who handle Phillips' goods are those who make a specialty of handling first-class goods in other lines.



SCREEN FRAMES.

Write for picture and description of "New Northwest Window Screen Frames."

The A. J. PHILLIPS CO., FENTON, MICH.

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THE MILLER OIL HEATERS.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.



No Disagreeable Odor. No Ashes. Light and Heat in Abundance.

No. 327. No. 3 Lift Burner.

Height, 23½ inches. Spread of Base, 12½ inches. Nickel Finish.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps." THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION: The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.

A MOST IMPORTANT FEATURE.

☞ All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.

MANUFACTURED BY

EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

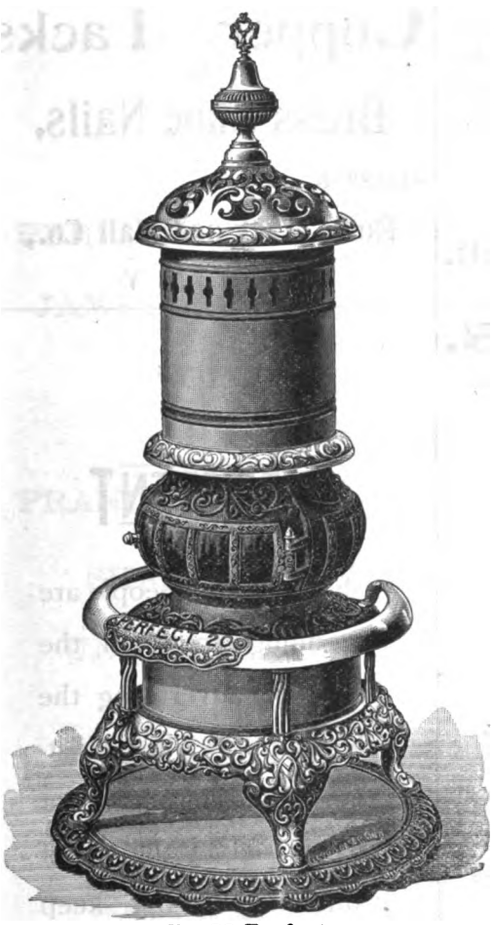
NEW YORK STORE: 10 & 12 College Place and 66 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.



No. 328. No. 3 Lift Burner.

Height, 32 inches. Spread of Feet, 11¾ inches. Russia Iron with Nickel Lamp and Trimmings.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

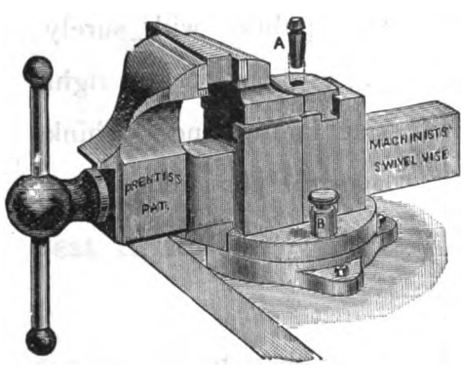
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St, 138-154 Water St., Brooklyn, N. Y.



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

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Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long. Weight, 3 ounces.



ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong all metal; nickel plated. Sells at sight. Sample to Dealers, 50 cents. Agencies given reliable houses. Write for prices in quantities.

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Plate Escutcheons,
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Fancy Cabinet Hinges,
Strap Hinges,
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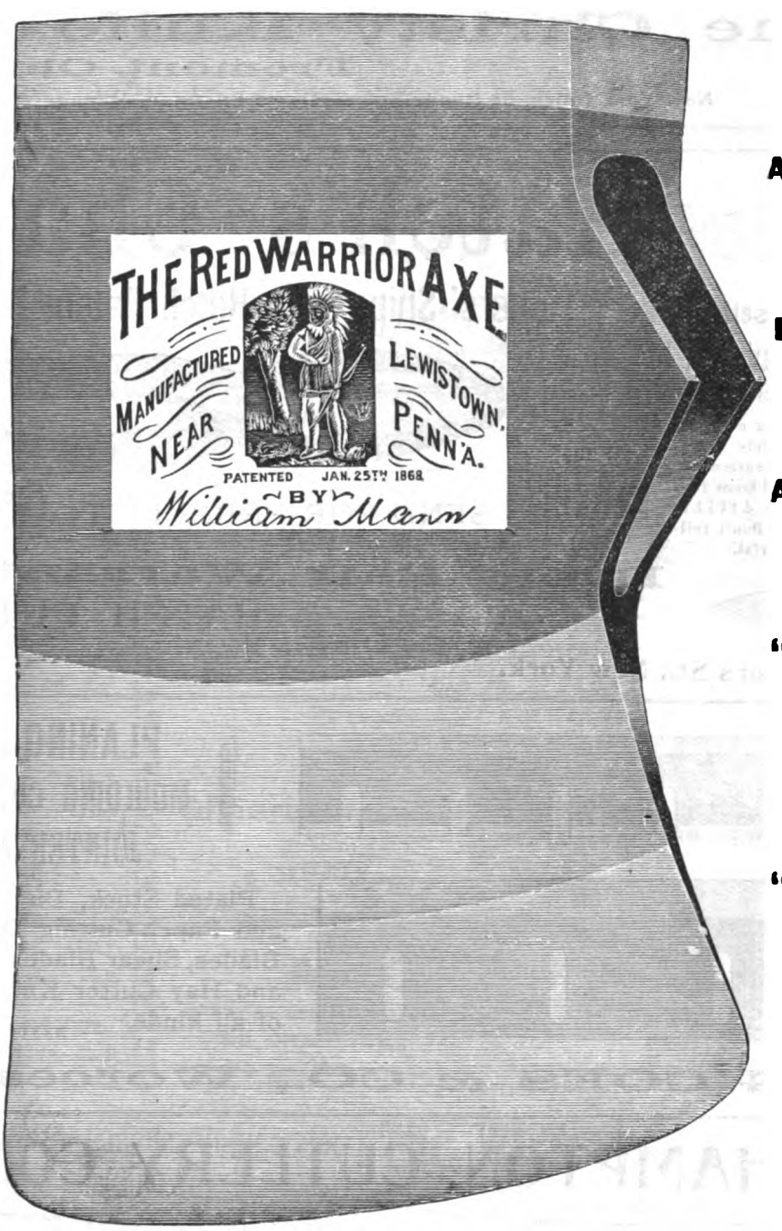
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The name **WILLIAM MANN** appears on all genuine Red Warrior Axes.

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There are imitations and counterfeits with cast iron handles—Cheap but not good.

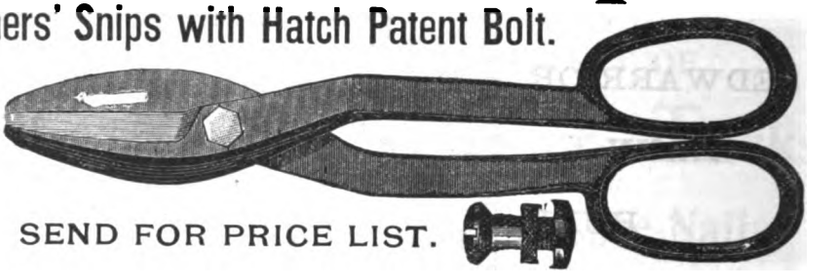
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Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens . pushing a knob. The m .t complete knife or ladies and gentlemen. All t. .des forged from the FINEST STEEL a. .d FULLY WARRANTED. Don't fail to give them a trial.

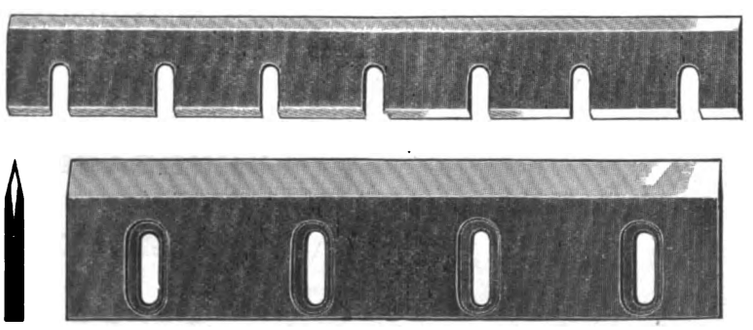
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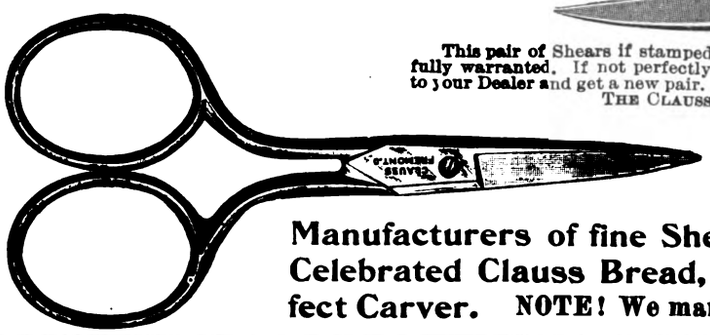
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The Handsomest, Best and most reliable on the market.
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Fine Pearl and Transparent Handled Cutlery and Novelties.

Underneath the handle which is made of an indestructible composition, transparent as glass, can be placed name and residence, photos of society emblems, celebrities or anything desired. These goods make an excellent line for the Hardware store at all times, but especially during the Holidays. Sample line costs but little and profits are large. Write for further information.

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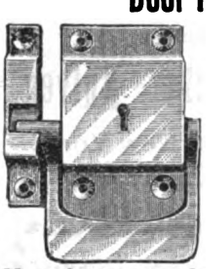
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The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented. The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order. By lifting the handle quarter circle the door will open, and if it sticks it will release it. It has a new and improved lock, absolutely secure. Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental. MANUFACTURED BY

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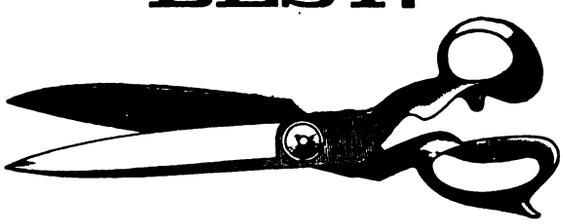
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Made in great variety but of only one grade, the

BEST.



They have the finest finish and a reputation that extends all over the world, and hence

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CORPORATE MARK,

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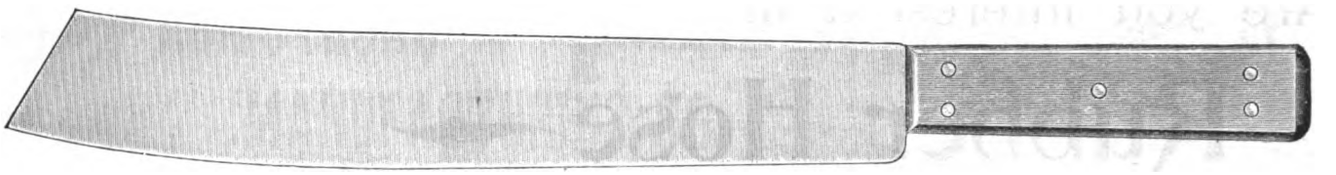
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If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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Most Substantial CHEESE KNIFE Made.



No. 1530. COCOBOLO SCALE TANG. Five (5) Rivet Handle.

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MANUFACTURERS OF . . .
ALL KINDS OF . . . . .
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EXCEPT POCKET . . .

GOODELL COMPANY,
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ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER

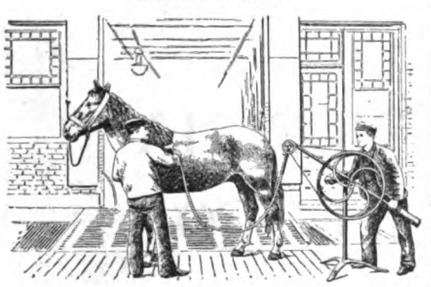


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A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household. The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c.

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Hand, Bicycle, Electric and Steam Power.
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.
The only ABSOLUTELY FLEXIBLE SHAFT on the market.
The WIDEST, MOST RAPID and CLOSEST cutting knives made.
THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.
The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.
FIRST PRIZE
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The largest sales aggregating more than all others combined. Conceded to be the
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Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade.
Gillette Clipping Machine Co.,
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Finest Quality Pocket Cutlery

TRADE UN-X-LD MARK.

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.

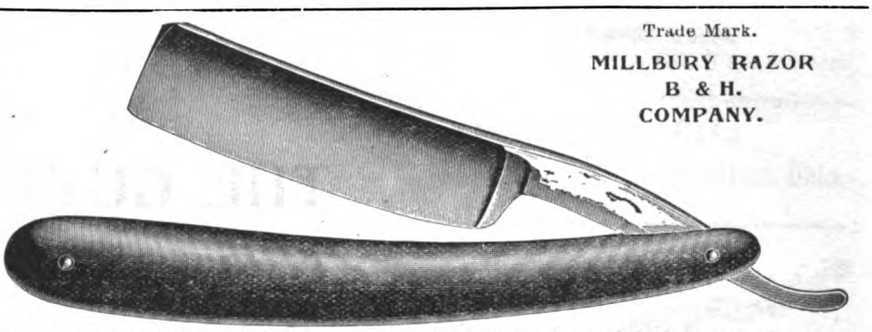


Two of the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

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Trade Mark.
MILLBURY RAZOR
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COMPANY.



WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to **TOWER & LYON, No. 95 Chambers St., New York,** or direct to factory. We are the makers of the **Charles Buck Razor,** but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

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"The New York Safety Dumb Waiter,"
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Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.
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Rubber Hose

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Our Brands are

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They have an established reputation and they are the best on the market.

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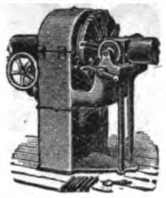
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PIPE THREADING and CUTTING OFF MACHINES.

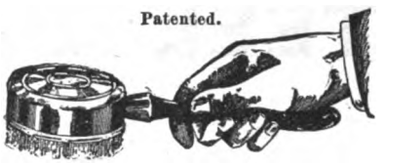
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Patented.



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.

For starched clothes it is unsurpassed.

It is an excellent sprinkler for house plants.

It is capital for laying the dust while you are sweeping.

Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.

Libe al discount to the trade. Send for price.

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Woodman's Patent Ticket Punches & Speed Indicators,

——Manufactured by the——

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63 Oliver St., Boston, Mass.

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Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : : :

75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

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Power Presses, Foot Presses, Screw Presses,

HYDRAULIC PRESSES. **PRESSES.** *DROP PRESSES.*

Machinery for making General Hardware, Brass Goods, Rivets, Hinges, Ferrules, Buttons, Screw Caps, Medals, Spoons, and Silver Ware.

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THE W. BINGHAM CO.,

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WITH THIS NEW

Garden Cultivator



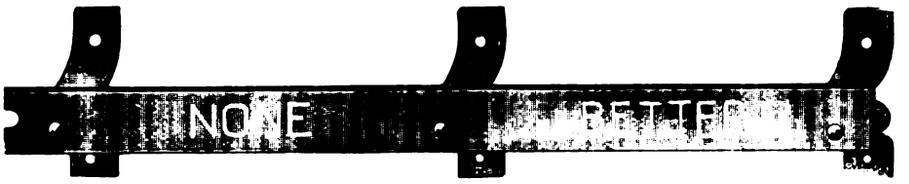
A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG. CO., ROCK FALLS, ILL.

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STEEL BARN DOOR TRACK.



Our Track can be used in connection with any Standard Hanger.

McKINNEY MFG. CO., - ALLEGHENY, PA.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES:
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Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

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BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
BRANCH OFFICE & WAREHOUSE, 339 MARKET STREET, PHILADELPHIA, PA.

THE HANDY STOVE POLISHING MITTEN.



The above illustration will give a fair idea of its appearance. It will easily fit the hand, has a waterproof back, and the whole front is made of durable and soft sheepskin, tanned with the wool on. By using the Stove Polishing Mitten, blacking a stove ceases to be dirty and disagreeable, it will make a stove shine like a mirror. The Mitten is also useful for polishing household furniture. It cannot scratch the most delicate material or varnish, while the finest possible polish can be rendered.

The Polishing Mitten can be put to many uses. Sells to almost every person you meet, always gives satisfaction. Among the uses which it may be put are:

Polishing Stoves, Ranges, etc., it has no equal.
Cleaning and Shining Windows, Show Cases, and other Glassware, the Mitten is highly satisfactory.
Polishing Nickel-Plated Ware, such as Bicycles, Machinery, etc., the Mitten is becoming more popular daily.
Polishing Boots and Shoes, the Mitten is as much superior to a brush as a brush is to a stick. Where once used it is "a joy forever."
Cleansing and Polishing Furniture, use the Mitten and Dauber. The results are always pleasing.
Polishing Brassware, Tinware, etc., the Mitten serves the purpose better than anything else.

Manufactured expressly for the trade. They sell fast wherever introduced to HARDWARE DEALERS.
We will quote you low prices and only ask a trial order. 2 kinds of mitten and dauber made, both kinds samples 30c. to Dealers.

HANDY STOVE MITTEN MANUFACTURING CO., 122 Pearl Street Boston, Mass.

NATIONAL LEAD COMPANY,

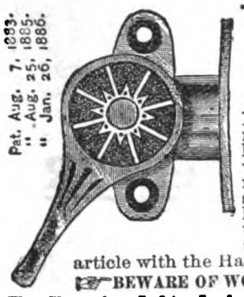
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

PATENT PERFECTION PADLOCK.



Eight Tumblers. Key Turning Both Ways.

Size ¾ inch to 2½ inches, the larger sizes of cast bronze. Defies competition for quality and price. No steel or iron used, cannot rust, and cannot be picked. Also, ½ and ⅝ inch Padlocks, opened with a common pin, in brass and nickel, for cats and small dogs. The best Railroad Switch and Car Lock in the world. Adopted by the United States Treasury for bonded warehouses.

SEND FOR CATALOGUE.

AMES SWORD CO., Chicopee, Mass.

H. J. Brainerd, Agent, 97 Chambers St., New York.



"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere.
They are Safest and Best.

WAREHOUSES:

New York, 96 & 98 Reade St. | Philadelphia, 514 Commerce St. | Chicago, 73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.



CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,
Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.
Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.



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"Excellent Cream!"

Cold Facts.....

The Improved

WHITE MOUNTAIN FREEZER

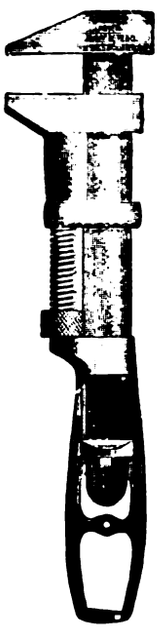
Makes

"Excellent Cream" in 4 minutes.

POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

Sold by Leading Jobbers everywhere.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N. H.



L. COES'

Genuine Improved

KNIFE HANDLE

PATENT

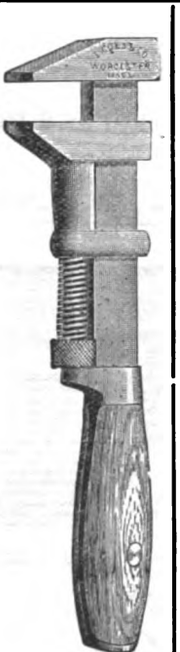
Screw Wrenches.

MANUFACTURED BY

COES WRENCH CO.,

WORCESTER, MASS.

Established in 1839. Registered March 31, 1874. Patented July 6, 1880. Patented July 8, 1884.



Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. PRICE LOW. You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.

Manufrs. of Useful Adv. Mediums.

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

Situations Wanted.

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty-four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware, stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

Agency Wanted.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y.

Side Line Wanted.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission. Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No. 83 Reade Street, New York.

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PRICES CURRENT.

Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting 15&5&2%
Blank Cartridges, except 28 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 28 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.85@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c
B.E., 8.....80c..B.E., 7.....80c..
P.E., 11 up.1.00..P.E., 9&10..$1.25
P.E., 8.....1.50..P.E., 7.....1.50
20&2%
SHOT—
Drop Shot, sizes smaller than B, 25-lb bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-lb bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-lb bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-lb bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-lb bags, ₩ bag.....$1.35
Buck and Chilled Shot, 5-lb bags, ₩ bag.....$ .35
Dust Shot, 25-lb bags, ₩ bag....$1.75
Dust Shot, 5-lb bags, ₩ bag....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 lb $3.25
12½ lb 1.90
6¼ lb 1.10
Rifle special, kegs.....25 lb 4.25
12½ lb 2.40
6¼ lb 1.25
Creedmoor, kegs.....6¼ lb 1.10
Ducking, kegs.....6¼ lb 3.00
[For 1 RR lb lots 10% discount.]
Blasting and Mining, A..25 lb 2.00
Blasting and Mining, B..1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.: In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 lb each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 lb each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ lb each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 lb each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 lb each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ lb each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ lb each.....12
KEG POWDER—
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 25 lb.....$3.00
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ lb.....4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ lb.....2.25
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" FG, in Kegs, 25 lb.....3.25
Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ lb.....1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ lb.....1.10
"V. G. P." for Trap Shooting, in Kegs 25 lb.....3.25
"V. G. P." for Trap Shooting, in Kegs, 12½ lb.....1.90
"V. G. P." for Trap Shooting, in Kegs, 6¼.....1.10
Choke Bore, Nos. 5 and 7, in Kegs, 25 lb.....4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ lb.....2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ lb.....1.35
Mealed Powder, in Kegs, 25 lb. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (A), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....2.00
Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 lb.....1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 lb best black.....$ .85
Canister, equal in bulk to 2 lb, best black.....1.70
Drum, equal in bulk to 10 lb, best black.....8.25
Drum, equal in bulk to 50 lb, best black.....41.00
Drum, equal in bulk to 100 lb, best black.....82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ lb 10c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..30%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association....70&10&10%
Second Quality Goods.....80&10%
Cook's Circular Lip.....60%
Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 90.50%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits35%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....25&10&10%
HOLLOW AUGERS—
Ives, French, Swift & Co., Douglass'.....35%
Bonney's Expansive, each $4.00 40&10&10%
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small.....33⅓%
Ives' No. 4, ₩ doz. $60.....40%
Swan's.....40%
Steer's No 1, $26; No. 2, $18....33⅓%
Stearns' Expansive.....30&10%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive....25&10&10%
Sargent's Expansive.....20&10&10%
GIMLET BITS—
Shepardson Diamond ₩ doz. $1.35.40%
Double Cut, Shepardson's....40@45%
Double Cut, Hartwell's, ₩ gro. $5.25
Double Cut, Douglass'.....40&10%
Double Cut, Ives'.....60@60&10%
BIT STOCK DRILLS—
Morse Twist Drills.....50&10%
Standard.....50&10&10%
Cleveland.....50&10&5%
Cincinnati Tool Co.....45&10%
Syracuse, for metal.....50&10%
Syracuse, for wood (wood list) 30&10%
SHIP AUGERS AND BITS—
L'Hommedieu's.....15%
Watrous'.....15&10%
Snell's.....15&10%

Awls—
Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
Aiken's Awls and Tools:
No. 10 ₩ doz. $7.50; No. 20, ₩ doz. $10.....60&10%
Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@30&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $15..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

Axes—
G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co: Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
High Grades, Double Bit, ₩ doz. $10.50&$12.50
High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½&5%
Butchers German Pattern.....40%
Boys.....40&7½&5%
HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½&5%
Collins.....10%

Balances—
Straight Spring balances.....40%
Common 24 lb. ....₩ doz. 80c net.
Circular Spring Balances.....50&10% No. 2000 20 30
Chatillon's ₩ doz. 30c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....20%

Bells—
HAND—
Light Brass.....60&5%
Heavy Brass.....50&10%
White Metal.....65&10%
Silver Chime.....45%
Globe (Cone's Patent).....35%
Tea Bells.....33⅓%
Auctioneers.....25%
Francis Keil & Son Trip Gongs...50%
DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....4 n
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&5%
Crank, Taylor's.....35&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....30&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....30&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—
Boston Belting Co.;
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3.....10%
Terrell & Vroom, No. 1 and 2, $3: No. 3, $3.60 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7¼x¾x1, ₩ doz. $11.00.....50
9x¼x1, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz. $15 50%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic.....₩ doz. $3....33⅓%
Excelsior..₩ doz. $10.00....50&10&2%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $3.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley 20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....30%
Wr't Shutter, all iron, Stanley's.60%
Wr't Shutter, Brass Knob. " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &c.—
Common.....30&10%
Genuine Eagle, list Oct. '84..75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%
TIRE—
Common, list Feb. 28, '88.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '88.....65%
Keystone, Phila., list Oct. '84...30%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84.....30%
Eagle Phila., list Oct. 16, '84.....30%
Bay State, list Feb. 28, '88.....75%
B. R. & W., list Oct. 16, '84.....30%
STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....30%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00: No. 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00..33⅓%

Bone Mills—
Enterprise.....20%

Boring Machines—
Without Augers.

	Upright.	Angular.
Douglass'.....	$5.50	$5.75..... 50%
Snell's, Rice's Pat.	5.50	6.75..40& 10&10%
Jennings'.....	5.50	6.75, 45@ 45&10%
Other Machines....	2.25	2.50.....net
Phillips' Patent with Augers.....	7.00	7.50 ....
Millers Falls.....		7.50 .... 25%

Bow Pins—
Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.50..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—
Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 30 to 33.....50@50&5%
Nos. 40 to 63.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30..... 60%
Nos. 117, 118, 119.....0@70&75%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@70%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50&5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 23, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 12, 26, 26, 27.....70&10&5%
Ball Braces, net. ₩ doz. $1.12@$1.25
Millers Falls.....25%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%

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Door Screen.....70&10%
Reading, plain.....60&10%
Reading, Rosette.....70&5%
Hand Rail.....60&10%

Bright Wire Goods—
Standard list.....65&10%

Bull Rings—
Union Nut Co.....55%
Sargent's.....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s.....50%

Butcher's Cleavers—
Bradley's.....25@30%
L. & I. J. White.....20&5%
Beatty's.....40@40&5%
New Haven Edge Tool Co.'s.....40%
P. S. & W.....33⅓&5@33⅓&10%
Dunlap's Family.....25%
Foster Bros.....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary.....25&10%

Butt Gauges—
Stanley's.....20&10&10%

Butts—
BRASS—
Wrought Brass.....80&80&10%
Cast Brass, Tiebout's Fast Joint.50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint....33⅓&10%
Cast Brass, Francis Keil & Son..40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow.....50&10&5%
Fast Joint, Broad.....50&10&10%
Loose Joint.....75&10%
Loose Joint, Japanned.....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts.....65%
Mayer's Hinges.....70%
Loose Pin, Acorns.....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips.....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow.....
Fast Joint, Lt. Narrow.....
Fast Joint, Broad.....
Loose Joint, Broad.....
Table Butts, Back Flaps &c....
Inside Blind, Regular.....
Inside Blind, Light.....
Loose Pin.....
} 40%
Bronzed Wrought Butts.....66⅔%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..⅌ doz $3.00, 25%
American.....⅌ gross $3.85, 50&10%
Dunlap's Iron Handle, No. 3 ⅌ gr. $13.00.....25%
A. S. Henn.....50&10%
Dunlap's Wood Handle No.3$1.75,25%
No. 5, Iron Handle.⅌ gr. $6....45@50%
Eureka.....⅌ doz. $2.50.....10%
Sardine Scissors...⅌ doz. $2.75@3.00
Dunlap's Sardine Scissors, ⅌ doz. $5.00....25%
Star.....⅌ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $3.50, 70%
World's Best, ⅌ gr., No. 1, $13.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ⅌ gr $9.00
Goodell's Acme, ⅌ gr. $3.00; ⅌ doz.75c
Universal, ⅌ doz. $3.00.....40%
Domestic, ⅌ doz. $2.50.....50%
Champion, ⅌ doz. $3.00.....6%
New Scott Mfg. Co.'s list.....30&10%
Leavitt's Common Sense ⅌ gro $7.00.....50%
Kohler's Cyclone.....⅌ doz. 75c
Kohler's Lightning.....⅌ doz. 90c
Moore's.....70%

Caps—
See Ammunition.

Cards—
Horse and Curry.....25%
Cotton.....25%
Wool.....25%

Carpet Stretchers—
Cast Steel, Polished.....⅌ doz. $2.25
Cast Iron, Steel Points.⅌ doz. 85c 20%
Bullard's.....20%
Dunlap's.....25%
Wm. Johnson's Socket.....50%

Carpet Sweepers—
Bissell's:
Grand.....⅌ doz. $36.00
Gold Medal.....⅌ doz. $27.00
Prize.....⅌ doz. $27.00
Premier.....⅌ doz. $27.00
Superior.....⅌ doz. $27.00
Cosmopolitan.....⅌ doz. $27.00
Furniture Protector, Japanned.....⅌ doz. $24.00
Furniture Protector, Nickel.....⅌ doz. $27.00
Inter Ocean.....⅌ doz. $27.00
Hall.....⅌ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1.....⅌ doz. $21.00
Domestic, No. 2.....⅌ doz. $22.00
Excelsior.....⅌ doz. $22.00
Garland.....⅌ doz. $18.00
Grand Rapids, Jap...⅌ doz. $24.00
Grand Rapids, Nick..⅌ doz. $27.00
Housewife's Delight..⅌ doz. $15.00
Improved Parlor Queen Japanned.....⅌ doz. $24.00
Improved Parlor Queen Nickeled.....⅌ doz. $27.00
Parlor Queen.....⅌ doz. $24.00
Standard.....⅌ doz. $24.00
Make the following rebates: $1.00 ⅌ doz. in 5 doz. lots, $2.00 ⅌ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters—
Bed.....
Plate.....
Shallow Socket.....
} Brass...60%
} Others..65%
Deep Socket.....60%
Martin's Patent(Phœnix).45&10@50%
Tucker's Patent, low list.....50%
Payson's Anti-friction70@70&10&10%
Yale Casters, list May, '84.....50%
Yale Gem.....70%
Giant Truck Casters.....45&10%
Stationary Truck Casters.....60%
Socket Truck Casters.....60%
Swivel Truck.....60&10&10%
Store.....55%
Gwinner's Common Sense.....40%
Gwinner's Hercules.....45%

Catches and Turns—
Cupboard Catches.....70&10&10%
Transom Catches.....60%
Cupboard Turns.....60%
Close Catches.....70&10%
Screw Door Latches.....70%
Screw Door Catches.....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches.....50%

Cattle Leaders—
Coverts Saddlery Works.....33⅓%
Humason, Beckley & Co.'s.....70%
Sargent's.....70&10%
Seymour Smith & Sons.....30%
Peck, Stow & W. Co.....40%

Cow Ties—
American.....60&10%
Triumph.....33⅓%
Covert's Horse and Cattle:
Jute.....33⅓%
Manilla.....33⅓%
Sisal.....33⅓%

Chain—
Trace, 6½-10-3, ⅌ pair, $1.05.....60&10%
Trace, 6½-10-3, ⅌ pair 95c.....60%
Trace, 7-10-3, ⅌ pair $1.11.....60%
Log, Fifth Stretcher, and other fancy Chains.....55@60%
German Coil.....60%
German Halter Chain.....60%
Oneida Halter Chain.....60@60&5%
Covert's Rein Chains.....33⅓%
Covert's Breast Chains.....33⅓%
Covert's Hitching Chains.....33⅓%
Galvanized Pump Chain.....⅌ lb 6c
Jack Chain, Iron.....75@75&5%
Jack Chain, Brass.....60%
Plumbers.....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W.....
New Haven.....
Witherby.....
Mix.....
} 75@75&10%
C. E. Jennings & Co.....25%
Douglass.....75@75&10%
Buck Bros.....30%
Merrill & Wilder.....50&10@60%
Jennings & Griffin Mfg. Co.....60%
Hinsdale.....75&5%
L. & I. J. White.....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'.....40&10%
Butchers'.....50%
Spear & Jackson's.....$5 to £
Buck Bros.....30%
C. E. Jennings & Co.....30%
Jennings & Griffin Mfg. Co. Draw ing Knives.....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge.....40%
Cold.....60%
Box.....60&10%

Chucks—
Beach Pat....each $8.00.....30%
Morse's Adjustable, each $7.00 30@30&5%
Danbury.....each $8.00..30@30&5%
Syracuse, Bals Pat.....25%
Skinner's Pat. Drill Chucks.....35%
Skinner's Ind't Lathe Chucks.....45%
Skinner's Pat. Comb. Chuck.....45%
Drill.....20&10%
Star.....25%
Barber.....25%
Union Mfg. Co.:
Victor.....$3.50, 25%
Combination.....40%
Universal.....40%
Independent.....40%
Whiton's
Combination.....40%
Independent.....50%
Cushman's:
Combination.....40%
Independent.....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati.....15&10%
Adjustable, Hammers.....15@15&5%
Adjustable, Stearn's.....20%
Stearn's Adjustable Cabinet and Corner.....30@30&10%
Cabinet Makers, Sargent's....70&10%
Carriage Makers', Sargent's.....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co.....40&5@40&10%
Warner's.....40&10@40&10&5%
Carpenters', Cincinnati.....15%

Cleavers—
Foster's.....30%
Jennings & Griffin.....40%

Clippers, Horse—
Brown & Sharpe's Champion
American Clipper).....$3.50
Clarke's (Imported).....3.50
Albion L (for left hand)...3.50
Foxhall.....3.50
Autocrat (centre fly nut).3.50
Peerless (horse toilet).....4.00
Newmarket.....3.50
Triumph (Ball bearing), horse toilet.....4.00
Keystone (Ball bearing), centre fly nut.....5.00
American (double cutting plate).....5.00
Lexington.....3.50
Advance.....3.50
Globe Reversible (Ball bearing).....6.00
Republic.....3.75
Double Diamond (reversible plate).....5.00
Dictator.....3.50
Empire.....3.75
Regent Toilet (for horse)..3.00
La Belle Toilet (for horse).3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16...55&5&5%
3d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips.....66⅔&5@70%

Cookeyes—
List.....50%

Coffee Mills—
Box and Side.....55%
Am. Enterprise Mfg. Co.....20%
The Swift, Lane Bros.....30%
Waddel's Improved.....40%
Logan & Strobridge Iron Co.....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers.....65%
Brown & Sharpe Micrometer.25&10%
Calipers, Wing.....50&5%
Inside or Outside.....65%
Double.....65%
Call's Pat. Inside.....55%
Stevens's "Ideal".....25%
Stevens's "Leader".....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating.....15%
Brown & Sharpe.....20%
Wm. Johnson's:
Wing Dividers.....75%
Extension Dividers.....40%
Wing Calipers.....70%
Inside, Outside and Double.....70%
Registering.....50%

Coopers' Tools—
Bradley's.....20%
Barton's.....20&10%
L. & I. J. White.....20&5%
Albertson Mfg. Co.....25%
Beatty's.....30%
Sandusky Tool Co.....30@30&5%
Shaves, Cincinnati Tool Co.....20%

Corkscrews—
Humason & Beckley Mfg Co. 40@ 40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co.....33⅓%
Howe Bros. & Hulbert.....35%
Samson.....⅌ doz $10.00

Corn Huskers—
Blair's Adjustable.....⅌ gr $8.00
Blair's Adjustable Clipper ⅌ gr 7.00
Hubbard's Solid Steel.....⅌ gr 4.50
Perkins Boss:
Styles A and B, ⅌ doz. $2.40; E, $2.10; O, $3.00; Q, $2.35, ⅌ gro. $8.00; R, ⅌ gro. $30.00.
Wrist Supporters.....⅌ doz. 75c
Mittens.....⅌ doz. $1.50
Ashtabula.....⅌ gro. $2.50
Brinkerhoffs.....⅌ gro. $15.00
Buckeye.....⅌ gro. $4.00
Cleveland.....⅌ gro. $7.50
Johnson's.....⅌ gro. $6.50
Universal.....⅌ gro. $15.00

Corn Knives and Cutters—
Bradley's.....10%
Wadsworth's.....45%

Counter Sinks—
Adjustable.....20%
Shepardson's Diamond.....40@45%
Einwachters.....60&10%
Wheeler's Patent.....40%
Wm. Johnson's.....50%

Crayons—
Sargent's List.....20%
Dixon's
Eclipse.....⅌ gro. $3.75
Emerald.....⅌ gro. 5.00
Oriole.....⅌ gro. 5.00
Rainbow.....⅌ gro. 2.81
Solid.....⅌ gro. 7.50

Curry Combs—
Spring.....40%
Rubber.....25%
Perfect.....33⅓
F. E. Kohler & Co.'s Magic Oscillating.....⅌ doz. 2.00
F. E. Kohler & Co.'s Humane ⅌ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4¼ 5
$1.00 $1.13 $1.25
5¼ 6 7 inches
$1.38 $1.50 $2.00, dos.....40&10%
Nickeled Shank 4 4¼
$1.25 $1.43 $1.60
5¼ 6 7 inches
$1.73 $1.85 $2.35, dos.....40&10%
Buffalo Damper Clips.....40&10%
Crown Damper.....40%
Excelsior.....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment).....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List.....50%
Leather Muzzles.....50&10%

Door Checks—
Bardsley's.....15%
Sargent's Eclipse.....55%
Shaw's.....40%
Unity F. G.....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

Spark Coil—
Stanley & Patterson $4.00.....50%
Stanley & Patterson "Daisy"..$1.50

Gas Lighting Keys—
Stanley & Patterson, list Jan., 1892.....33⅓%

Door Springs—
Torrey's Rod, regular size ⅌ doz $1.40
Bee Rod ⅌ gr., $20.00.....20%
Warner's.....45&50%
Gem (Coil), list April 19, 1886.....10%
Star (Coil), list April 19, 1886.....20%
Foster's (Coil).....20%
Champion (Coil).....55%
Cowell's No. 1, ⅌ doz, $15.00; No. 2, $15.00.....50%
Rubber.....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List.....60%

Drawing Knives—
Witherby.....
Jennings & Griffin.....
P. S. & W.....
Mix.....
New Haven.....
} 75@75&5%
Merrill & Wilder.....60%
Douglass.....75@75&5%
Watrous.....20%
L. & I. J. White.....20&5%
Bradley's.....25%
Adjustable Handle.....20@25%
Wilkinson's Folding.....25@25&5%
Hinsdale.....75&5%

Dressers, Emery Wheel
Challenge.....20%

Drills and Drill Stocks—
Blacksmiths'.....each $2.25
Breast, P. S. & W.....33⅓&10%
Breast, Wilson's.....20&5%
Breast, Millers Falls.....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's.....20@20&5%
Ratchet, Ingersoll's.....25%
Ratchet, Packer's.....60%
Ratchet, Whitney's.....20&10%
Ratchet, Weston's.....20@25%
Ratchet, Moore's Triple Act.25@20%
Ratchet, Billings' Dble. Acting.33⅓%
Whitney's Hand Drill, No. 1, $10.00; No. 2, $13.00.....20&10%
Wilson's Drill Stocks.....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench.....60%

Twist Drills—
See Augers and Bits.

Egg Beaters—
Dover.....⅌ doz $3.00..60%
National, ⅌ doz $4.50.....33⅓%
Fan...17 (T. & S. Mfg. Co.) ⅌ gro $17.00 @$18.00
Duplex (Standard Co.)...⅌ doz $1.25
Rival (Standard Co.).....⅌ doz $1.00
Duplex Extra Heavy (Standard Co.) ⅌ doz $2.50
Triumph (T. & S. Mfg. Co.), ⅌ gro $10.50 $11.00
Ayre's Spiral.....⅌ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓%

Egg Poachers—
Morgan Steam, No. 3. No. 5.
⅌ doz. $4.20 $6.00.....40%

Emery—
No. 4 to No. 54 to Flour, CF FF.
46 gr. 150 gr.
Kegs, ⅌ lb..4½c 5c 2½c
½ kegs, ⅌ lb.4½c 5½c 2¾c
¼ kegs, ⅌ lb. 5c 5½c 3c
10 lb cans, 10 in case.... 6c ½c 5c
10 lb cans, less than 10.. 10c 10c 7½c

Escutcheon Pins—
Iron, list January, 1890.....60%
Brass.....65%

Enameline—
No. 4, ⅌ gro.....$4.50
No. 6, ⅌ gro.....$7.20

Escutcheons—
Door Lock, same dis. as Locks.
Iron, list January, 1890.....60%
Brass Thread.....65%
Wood.....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...30%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat., Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....35%
Fenn's Cork Stops....33⅓%
Starr....50%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....20%
Lane's ₩ doz. $36.00....25%
Enterprise Molasses Gates....20%

Fibreware—

Standrsd Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No. 5.	No. 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt. $3.33..		4.00	
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commoee Rings (extra)	1.50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3.0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spittoons, etc)	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7¼ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (pressed)	3.50	4.00	4.50
Spittoons, 10 1nd 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—

DOMESTIC—

Arcade....65%
Montgomery & Co., Special....66⅔%
Nicholson Files, Rasps, &c....66⅔%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagl....60&10&10@70%
New American....60&10&10@70%
New York File Works....50&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't's 50 10%

IMPORTED—

Moss & Gamble, List April 1, 1888. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 30%
Grobet....35%

Filters—

Seed's Water Filters...$3 dos. net; $38 gross net.

Fish Hooks—

American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—

Knox....35%
Geneva Hand Fluter, White Metal, ₩ dos. $12.00....25&5%
Crown Fluters....30%

Fluting Scissors—

List....45%

Fly Fans—

Columbia....10%
Fowlers ₩ doz....$21.00
Keyless M. & I. Co. ₩ dos....$21.00

Forks—

Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—

Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....20%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—

Enterprise Mfg. Co....25%
Henis....₩ dos $3.50
Shepard's Queen City....40%

Fry Pans—

Standard List:

No.	0	1	2	3	4
₩ dos.	$3.00	$3.75	$4.25	$4.75	$5.25
No.		5	6	7	8
₩ dos.		$6.00	$7.00	$8.00	$9.00

Polished, regular goods....75%
Acme Fry Pans....70%

Gas Irons—

Bolgiano's New Hot Air Perfection Gas Iron....₩ dos. $18.00

Gauges—

Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....25&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....60&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ dos $2.00 net

Gimlets—

Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....25&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $12....25@25&10%
Bell Hangers....50%

Glue Pots—

Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Grindstones—

Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—

Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—

See Ammunition.

Hack Saws—

See Saws.

Hafts—

Britton's....₩ dos. $6.50

Halters—

Covert Saddlery Works, List 1892.
Rope, ¼ in. Jute.
Rope, ⅜ in. Hemp.
Web and Rope Halters.
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding....40%

Hammers—

HANDLED HAMMERS—

Maydole's....25%
Buffalo Hammer Co.
Humason & Beckley...
Atha Tool Co.
Fayette R. Plumb.
} 40&10@50&10%
C. Hammond & Son, List, Oct., '89. 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.25, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ dos. Nos. 1, $3; 2, $3....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterers Light, ₩ doz. $6.25.45%
Upholsterers Heavy, ₩ doz. $7.60 45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....50%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—

Under 3 ℔....₩ ℔ 45c
3 to 5 ℔....₩ ℔ 35c
Over 5 ℔....₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths...10½c@11c ₩ ℔

Handcuffs and Leg Irons—

See Police Goods.

Handles—

IRON, WROUGHT OR CAST—

Door or Thumb:

Nos.	0	1	2	3	4
Per dos.	$ .90	1.00	1.18	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....65%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES.—

Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—

Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 3.00
} 30@
Worcester Leather Cap'd Chisel. 25%
File, assorted....₩ gr 2.75
Auger, assorted ...₩ gr 5.00
Auger, large....₩ gr 7.00
} 30@
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's....₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—

Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—

Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Climax Anti-Friction....55%
Climax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&2%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ dos. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....30&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¾, $18.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4¼, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..30&10 @25&10%
Warner's Pat....20&10@30&10&10%
Stearns' Anti-Friction....20&10@30 &10&10%
Stearns' Challenge 25&10@35&10&10%
Rider & Wooster, No. 1, 62½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $6.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—

See Snaps.

Hatchets—

See Axes.

Hay Racks—

Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00....30%

Hay and Straw Knives—

Lightning. Mfrs' price ₩ dos $18.00, 45%
Gem....₩ dos $10
Wadsworth's....40%
Carter's Needle..₩ dos $11.50@$12.00
Heath's....₩ dos $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ dos $10.00

Hinges—

WROUGHT IRON HINGES—

Strap and T....60&10&10.
Corrugated Strap and T..60&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 3 9-10c
Heavy Welded Hood... { 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 3 9-10c
Screw Hook and Eye. { ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—

Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....30%
Acme....30%
J. S....25&10%
Empire and Crown....30%
Stover Ideal ₩ gro....$13.00
New Idea ₩ gro....$13.00
Hero and Monarch....55%
American, Gem and Star....30%
Oxford....30%
Barker's Double Acting...35@35&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@20%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—

Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.30, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ doz $12.50, 50%
Keil's Superior....30%
Common Sense..₩ dos pair $4.50, 50%
Seymour's....45&10%
Shepard's....60&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ dos $13.00, 50%
Long's Self Closing....50%

BLIND HINGES—

Barker....75&10%
Palmer....50&10&10%
Seymour....70&25%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 2, 3, 5, 40 and 50....80%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....80%
Buffalo....80%
Clark's Genuine Pattern....80%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2¼, 3....75&10&5%

Hoes—

HANDLED—

Garden, Mortar, &c....80%
Planter's Cotton, &c....80%
Warren Hoe....65%
Magic....₩ dos $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $2.00, 30%
Scuffle....30%

EYE—

D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@ 60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—

Hill's Improved Ringers, ₩ doz $1.25
Hill's Tongs....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ doz bxs $1.80@$1.70
Perfect Ringers...₩ doz $2.15@$2.25
Blair's Hog Ringer ₩ doz $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers....₩ doz $2.00
Brown's Rings....₩ doz $1.25@$1.30

Hollow Ware—

IRON—

Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....25%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton, Meriden Britannia Co., Simpson, Hall, Miller & Co., Rogers & Brother.....40&5%
Hartford Silver-Plate Co., William Rogers Mfg. Co.....40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list, Bird Cage, Reading, Clothes Line, Sargent's list.....50&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list..55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@60&10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....50&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ dos $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....50%
Wrought Staples, Hooks, &c.
See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....80%
Wire Coat and Hat, Gem, list April, 1886.....60%
Wire Coat and Hat, "Cres't".60&10%
Wire Coat and Hat, Miles', list April, 1886.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard.....45%
Wire Drive.....60%
Belt.....60&10%
Handy Coat and Hat.....65&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ doz.

MISCELLANEOUS—
Dunlap's Merchandise.....25%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes-Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

Nos.	6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	..15%
American	9¾	9¾	9¾	9¾	9¾	..net
Ausable	25c	25c	25c	24c	23c.	40&5&5&2½
Clinton Fin.	19c	17c	16c	15c	14c.	30&10%
Essex	25c	25c	25c	24c	23c.	40&10&5&2½&2½
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	23c	21c	20c	19c	18c.	..25%
Northw't'n	23c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	23c	23c	21c	21c.	25&10@33⅓&5%
C. B. K.	23c	23c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	23c	23c	21c.	21c	40&10&5%
Champlain.	23c	23c	23c	24c	23c	40&5&5&2%
Saranac	23c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	23c	21c	20c	19c	18c	..35%
Western	25c	21c	20c	19c	18c	..50%
Empire Bronsed						13@14c ₩ lb

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....80&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$3.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%
Ice Picks—
See Ice Chippers.
Irons—
ee Sad Irons.
Jack Screws—
See Screws.
Kettles—

SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen.	$3.60	$5.40	$9.00	$10.80	$13.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen.	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	33	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen.	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen.	$55.34	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.		12	16	18
Inches.		12x9	13x9½	14x10
Dozen..		$14.40	$18.00	$20.64
Each...		1.20	1.50	1.72
Quarts.		20	24	32
Inches.		15x10½	16x11	17x11½
Dozen..		$23.40	$27.00	$32.40
Each...		1.95	2.25	2.70

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 30, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratchet Bed Keys....₩ dos $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread KnivesAss'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier.....25%
Seconds.....40%
F. E. Woodworth & Co.....50@33⅓%
Ames' Bread Knives. ₩ doz. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ doz. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ doz. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronse and Wood, list Dec. 1890.....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Keil's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ dos $4.00, 40%
P. S. & W.....65&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....35%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ doz. $6.00 40&5@40&10%
Wood No. 2.....₩ dos. $3.00, 50%
Wood, Common....₩ doz. $1.70@1.75
Dunlap's Improved ₩ doz. $2.75..20%
Jennings' Star.....₩ dos. $2.25
The Boss.....₩ dos. $2.50
Dean's, Nos. 1, ₩ dos. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ dos $15.00, 40%
Berger ros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....20%
Acme.....₩ dos $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....80%
Draper's Masons' Linen, 84 ft. No. 1, $1.35; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....22c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....25%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided. White or Drab Cot. ₩ dos.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &C.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '86.....65%
Reading Hdw. Co. List Feb. 2, '86. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Graham & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Delta Flat Key.....30%
Romer's Night Latches.....15%
Brooklyn Latches.....30%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '86.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dieta, Nos. 51 to 68.....40%
Dieta, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....35%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 9i.....30%
Romer's Scandinavian, &c, Nos. 100 to 565..15%
A. E. Deits.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....50&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....30&10%
Scandinavian.....30&10%
Fraim's Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 120 line.....90&25%
Nos. 109 line.....65%
Nos. 225, 510.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 71 line.....30%
No. 497.....50%
Acme Bicycle and Satchel per doz. $9.00.....33⅓%
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....35&10%
Lignumvitæ.....35&10%
Raw-Hide.....40&10%
Mattocks—
Regular list.....60&10%

Meat Cutters—
Dixon's.....₩ dos 40%

Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ dos.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ dos.....70%

Nos.	11	12	13
	$27.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	5
Each.	$5	$7	$10	$25	$50

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	32	42
Each	$3	$2.50	$4	$6	$15

Miles' Challenge ₩ dos...45@45&25%

Nos.	1	2	3
	$32.00	$30.00	$40.00

Home No. 1..₩ dos $28.00, 35&10&2½
Draw Cut, each:

Nos.	5	2	6	8	
	$30	$75	$30	$225	..20@2½

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ dos $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....80&2½%
Wire Nails.....80&2½%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list..40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronse.....10%
China.....25%

Nail Pullers—
Black Hawk, per doz.....net, $9
Curtiss Hammer.....₩ dos $6.00
Giant, No. 1.....₩ dos $18.00, 10%
Giant, No. 2.....₩ dos $15.00, 10%
Pelican.....₩ dos $9.00, 25%
Lightning.....₩ dos $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....37½%
Einwachters.....60&10%
Cannon's Diam'd Point₩ gr.$12, 20%
Humason's.....60&10%
Dunlap's.....25%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ dos., $2.00, 15@20%
Turner & Seymour Mfg. Co..... 40%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.
Hot Pressed.....5.50c 6.10c
Cold Punched.....5.10c 5.20c
Cold Pressed C. & T.....4.80c
In packages of 100 lb. add 1-10c ₩ lb net; in packages less than 100 lb. add ½c ₩ lb, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ dos.....$1.85
Prior's Pat.or"Paragon"Zinc.60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ dos. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....8.00
Discount 33⅓ %

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ lb.....40
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2¾ to ⅝ at back, ½ to 5-16 edge ₩ lb:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No. 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ lb.....70
Discount 33⅓%.
Pike's Washita Mounted:
3x2, ₩ dos.....$12.00
6x2 " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1¼, ₩ lb.....24
" 2x2x½, extra selected..40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ lb.....2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ lb.....2.50
No. 1, 3 to 12x1¾ to 2¾x¾ to 1¼, ₩ lb.....4.00
Pike's Penknife Pieces
No. 1, 3 to 4½x1 to 1¼x⅛ to ⅝ ₩ lb.....4.0

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No. 2, assorted sizes, ₩ lb..... 2.00
Discount 33⅓&5%.
Pike's Soft Arkansas:
Assortment A, ₩ lb..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&5%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ lb .06
Washita Finish, about 8x2x¾ to 1¼, ₩ lb..... .10
Round Edge Slips, about 6x1¼ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ lb..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ lb..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3¼x1¼ x¼ to ⅛, ₩ gross..... .80
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ lb..... .08
Small Axe, about 8x2x⅛ to 1 ₩ lb..... .10
Special Axe, 3¼x1¼x¼ ₩ lb... .18
Pike's Sandstones:
Small, 8x1¼x1¼, weight about 1 lb, ₩ lb..... .05
Medium, 8 to 8¼x2x1¼, weight about 1¼ lb, ₩ lb..... .05
Large, 8¼ to 9x2¾x2, weight about 3 lb, ₩ lb..... .05
Small table, 9 to 9¼x2¾x2, weight about 4 lb, ₩ lb..... .08
Large Table, 10x4x2 " ..... .08
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ lb .80
No. 2, " ₩ lb..... .40
Round Edge Slips, No 1, ₩ lb. 2.00
Discounts 33⅓&5%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
"Boston"..... 60%
"Excelsior" Self-Vulcanising, per lb 70c..... 40%
Boston "Phœnix" Red Sheet, per lb..... 50c. net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander..... 25%
N. Y. B. & P. Co., 1846-Para..... 40&10%
N. Y. B. & P. Co., Double Diamond. 50%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard..... ₩ lb 30c. 25&5%
MISCELLANEOUS—
American Packing..... 10c@11c ₩ lb
Russian Packing..... 14c ₩ lb
Italian Packing..... 13c@14c ₩ lb
Cotton Packing..... 15c@17c ₩ lb
Jute..... 7c@8c ₩ lb

Padlocks—
See Locks.

Parers—
APPLE—
Advance..... ₩ doz $4.75
Baldwin..... ₩ doz 5.25
Bonanza..... ₩ doz 5.00
Daisy..... ₩ doz 4.00
Dandy..... ₩ doz 7.50
Eureka, 1868..... each 16.00
Family Bay State..... ₩ doz 12.00
Favorite..... ₩ doz 5.00
Ideal..... ₩ doz 4.00
Improved Bay State. ₩ ds.. $27@30.00
Little Star..... ₩ doz 4.50
Monarch..... ₩ doz 13.50
New Lightning..... ₩ doz 5.50
Penn..... ₩ doz 4.00
Perfection..... ₩ doz 4.00
Pomona..... ₩ doz 4.00
Rocking Table..... ₩ doz 6.00
Turntable..... ₩ doz 4.50
Waverly..... ₩ doz 4.00
White Mountain..... ₩ doz 4.00
72..... ₩ doz 4.25
78..... ₩ doz 7.00
Oriole, ₩ doz $5.00..... 30&10%
Victor, ₩ doz $15.00..... 30%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 30%
POTATO—
White Mountain..... ₩ doz $4.50
Antrim Combination..... ₩ doz 5.50
Hoosier..... ₩ doz 13.50
Saratoga..... ₩ doz 5.50

Pencils—
Faber's Carpenters'..... high list 50%
Faber's Round Gilt..... ₩ gro $5.25
Dixon's Lead..... ₩ gro 4.50
Dixon's Mascot, Round.. ₩ gro. $3.10
Dixon's Mascot, Hexagon. ₩ gro. 3.38
Dixon's Lumber..... ₩ gro 6.87
Dixon's Carpenters' ₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead..... ₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00..... 60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding..... 50%
Bench, First Quality..... 55%
Bench, Second Quality..... 60%
Bailey's (Stanley R. & L. Co.)..... 40%
C. E. Jennings & Co..... 50&10%
U. S. Ship..... 45%
U. S. Grooving..... 40%
Fales Bench..... 30%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's..... 40%
Victor..... 30%
Miscellaneous..... 25%
Steer's Iron Planes..... 40@40&10%
Meriden Mal. Iron Co.'s.. 40@40&10%
Davis's Iron Planes..... 40@40&10%
Gage Tool Co.'s Self-Setting.. 30&10%
Chaplin's Iron Planes..... 40@40&10%
Sargent's..... 40&10%
Standard Tool Co..... 50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's..... $5.00@$5.25 to £
Buck Bros..... 30%
Auburn "Thistle"..... } 25%
Ohio..... }
Sandusky..... }
S. & I. J. White..... 25%
Stanley Rule & Level Co..... 50%
C. E. Jennings & Co..... 25&10%
Hinsdale..... 20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers..... 33⅓&5%
Hall's X American Pliers..... 30%
Hall's Side Cutting Pliers..... 30%
Hall's Nippers..... 30%
Button's Patent..... 50%
Humason & Beckley Mfg. Co. 50@50&10%
Gas Pliers..... 60%
Eureka Pliers and Nippers..... 40%
P. S. & W. Cast Steel..... 50%
P. S. & W. Tinners' Cutting Nippers..... add 6% dis. 10%
Carew's Pat. Wire Cutters..... 20%
Swiss Pliers..... 25%
Stubs'..... 20%
Morrill's Parallel, ₩ doz $13.00 30&5%
Cronk's 8 in., $15; 10 in $20.00..... 50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5⅛ in. ₩ doz. $2.00; 6⅛ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers..... 66⅔&5%

Plumbs and Levels—
Millers Falls..... 33⅓&5%
Stratton's Nos. 1, 10, 11, 12..... 25%
Stratton's Nos. 2 to 8..... 50%
Cook's..... 40&10%
Stanley's..... 75%
Regular List..... 75%
Disston's..... 50%
Pocket Levels..... 70%
Davis' Iron Levels..... 30&10%
Davis' Inclinometers..... 10&10%
Wood's Extension Sight..... 30%
Plumb Bobs..... 40%
Wm. Johnson's..... 75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's..... 25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz..... 10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz..... 10%
J. P. Lovell's Police Goods..... 25%

Polish, Metal—
Prestoline..... 30&10%
Prestoline Paste..... 33⅓&5%

Polish, Stove—
Joseph Dixon's..... ₩ gro $6.00, 10%
Gem..... ₩ gro $4.50, 10%
Lustro..... ₩ gro $4.75
Rising Sun, 5 gro lots..... ₩ gro $5.50
Dixon's Plumbago.. ₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt.. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw..... ₩ doz $18.00, 25%
Disston's Pruning Hook..... ₩ doz $12.50, 25&5%
Seymour Smith & Son's..... ₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools. 40%.
Pruning Shears, Henry's Pat. ₩ doz..... $3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@$4.50 net
Wheeler, M. & C. Co.'s Combination..... ₩ doz $12.00, 20%
Dunlap's Saw and Chisel..... ₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co..... 30%
Levin Pruner, No. I, $15.00 ₩ doz. 40&2%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&2%

Pulleys—
Axle..... 60%
Dumb Waiter..... 60%
Ceiling..... 60&10%
Hot House..... 66⅔&5%
Upright..... 60&10&10%
Screw..... 60&10&10%
Clothes Line..... 55@60&10%
Awning..... 60&10&10%
Empire Sash Pulley..... 60%
Common Sense..... 60%
Moore's Sash. Anti-Friction..... 55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50..... 50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75..... 50%
Shade Rack..... 45%
Tackle Blocks' List, May 20, 1889. 50&10@60%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers..... 60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 328, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 323, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 307, 3½ in. Deep Well Pump..... $17.00
No. 14, Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333, 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15.00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 108, Fig. 448, 3½ in. Lift Pump..... $12.00
No 122, Fig. 510, 3 in. Lift Pump..... $7.00
No 131. Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 408, Windmill Pump..... $14.50
No. 240, Fig. 406, Regulator Pump..... $20.00
No. 220 Fig. 4-4, Imperial Cyclone Pump..... $18 00
No. 265, Fig. 5-2, Cyclone Tank Force Pump..... $ 7 00
No. 267, Fig. 488, Geyser Tank Force Pump..... $17.00
No. 268, Fig 513, Low Down Tank Force Pump..... $16 00
No. 3-C, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $5.50
No. 33, Fig 547, Knapsack Spray Pump..... $10.00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz.. 90@65%
Bemis & Call Co.'s Cast Steel Drive. 50@5%
Spring, good quality, ₩ doz $3.50@3.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₩ doz..... $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co..... 30&2%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓&5%
Lesser quantities..... 25%
Niagara Hollow..... 20%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₩ lb 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾ Per 100 feet..... $2.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft..... 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.25...net
Terry's Steel Rail, ₩ foot..... 4½c
Victor Track Rail, 7c ₩ foot... 50&5%
Carrier Steel Rail, ₩ foot..... 4½c
Moore's Wrought Steel..... 25&10%

Rakes—
Cast Steel, Association goods.... 70%
Cast Steel, outside goods..... 70&5%
Malleable..... 70@70&5%
Oneida Lawn..... $6.00 doz., net
Gibbe' Lawn Rake..net ₩ doz. $4.90
Gibbe' Canton Lawn Rake net ₩ doz $3.75
Gibbe' Favorite.....net ₩ doz $3.90
Gibbe' Acme.....net ₩ doz. $4.75
Gibbe' Crown, No. 1. net ₩ doz. $4.90
Gibbe' Crown, No. 2. net ₩ doz. $5.30
Gibbe' Hustler, No. 0 net ₩ doz. $4.25
Gibbe' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $4.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes..... ₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $3.00; No. 2, $3.50. } 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No brand, $1.1
Hay 12 teeth..... $3.40; No. 2 $3.10
Lawn, 22 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Boss, No. 14.....net ₩ doz. $2.95
Boss, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 30%
Westenholm and Butcher, $10.00 to £..... net
Jordan's AAA1, list Nov. 1, 1889 .50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric..... List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Kell & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887..... 60&10%
Copper..... 50@10%
Coopers..... 60&10%
Block..... 60&10%
Carriage..... 60&10%
Hame..... 60&10%
Belt "Bettina" with Burrs.... 50&5%
Burrs..... 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ lb less than Norway Rivets.
Belt with Burrs..... 60&10%

Rivet Sets—
Regular list..... 55&5%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut..... ₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ lb 7¾c
Manilla, ⅜..... ₩ lb 8¼c
Manilla, ¼ and 5-16..... ₩ lb 8¾c
Sisal, 7-16 and larger..... ₩ lb 6¾c
Sisal, ⅜..... ₩ lb 6¼c
Sisal, ¼ and 5-16..... ₩ lb 6¾c
Sisal Lath Yarn, medium ₩ lb 5½c
Cotton Rope..... ₩ lb 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16 in. & larg'r ₩ lb 7 c
Manila, ⅜in ₩ lb 7¼c
Manila, ¼ and 5-16 in ₩ lb 8 c
Manila Hay Rope... ₩ lb 8 c
Sisal, 7-16 in. & larger ₩ lb 5 c
Sisal, ⅜ in ₩ lb 6 c
Sisal...¼ and 5-16 in ₩ lb 6½c
Sisal, Hay Rope..... ₩ lb 5½c
Sisal, Med. L'the Y'rn ₩ lb 5 c
Cotton Rope..... ₩ lb 11@13c net
Jute Rope..... ₩ lb 5@4c net
1% for cash in 10 days.

Rules—
Boxwood..... 30%
Ivory..... 50%
Miscellaneous, Stanley's..... 30%
Starrett's Rules and Straight Edges, Steel..... 35&10%

Sad Irons—
From 4 to 10 at factory.... ₩ 100 lb $3.50@$3.75
Self-heating..... ₩ doz $8.00 net.
Self-heating, Tailors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co..... 8½c, 15%
New England..... 8c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 30%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set..... $ .75 net.
No 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co:
Crown Sad Irons, No. 230, per dozen, net..... $3.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 60&5%
Emery Cloth..... 50&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 35%
Steel Cable..... 25%

Sash Cord—
Common..... ₩ lb 10c. c
Jute, good quality..... ₩ lb 1. c
White Cotton Braided, fair. ₩ lb 25c
Common Russia Sash..... ₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 23½c@22c
India Cable Laid Sash..... ₩ lb 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 24½c@ 28c
Sylvan Spring
Extra Braided White....35c
Extra Braided Drab....37½c
No. 4 Braided White, $2.00...10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50...10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton....37c
"Samson" White, Cotton....35c
"Samson" Drab, Cotton....42c
"Samson" Italian Hemp....40c
"Samson" Linen....56c
Sash Fasteners, Holders, &c.—
Sash Lifts....60&10&10%
Sash Lifts With Lock....60%
Sash Lifts Flush....60&10%
Shutter Bars....60&10@75&10%
Sash Rollers....66⅔%
Shutter Sheaves....60%
Window Screen Sash Lifts....66⅔%
Motley's Holder, on gross lots, medium size....₩ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₩ gro. 33⅓%
Ferguson's....33⅓%
Reading....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'zed....₩ gr $4.00
Common Sense, Nick. P't'd ₩ gr $10.00
Chambers' Gravity....60%
Kempshall's Gravity....60%
Kempshall's Model....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect....60&10%
Hugunin's Sash Balances...25&5&2½
Hugunin's New Sash Locks 25&5&2½
Stoddard "Practical"....10%
Ives' Patent....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security....70%
Sash Weights—
Solid Eyes....₩ ton $23.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00....25%
Enterprise Mfg. Co....25%
Silver's....40&10%
Saws—
Disston's Gang....45%
Disston's Circular....45%
Disston's Cross Cuts....40%
Disston's Panel, Hand & Rip....25%
American Saw Co.'s:
Solid Circular....40%
Perforated Circular....30%
Gang, Drag & Mill....40%
X Cuts, Regular Back...25c. ₩ foot
X Cuts, Perforated....30c. ₩ foot
W. & McP. Hand....25%
W. & McP. Champion X Cuts. Thin Back....45&10%
W. & McP. Champion X Cuts. Extra Thin Back....45&10%
W. M. & C., Hand....30%
W. M. & C., Champion X Cuts. Thin Back....45&10%
W. M. & C., X Cuts Extra Thin Back....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws....25%
Peace Circular and Mill....45%
Peace Hand Panel and Rip....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts....45%
Richardson Hand-saws....25%
Haines' Needle Point....40%
Atkin's Circular....50&10%
Atkin's Band....50&10%
Atkin's Cross Cut....40%
Atkin's Wood....40%
Atkin's Hand....40%
Atkin's Butcher, Pruning and Compass....40%
Star Saw Blades....25%
Star Bracket....25%
HACK SAWS—
Griffin's complete....45%
Griffin's Hack Saw and Blades...45%
Chatillon....30%
Butchers....25%
Star Butcher....25%
Saw Frames—
Star Hack....25%
White Vermont...₩ gro. $9.50@$10.00
Red, Polished and Varnished....₩ doz., $3.00 40%
C. E. Jennings & Co....20%
Richardson's Wood....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever, Nos. 40, 45....55%
Common Lever ₩ doz., $3.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $15.50; No. 11, $16.00....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $23.00: No. 5, $31.00....40&20%
Perfect Saw Jointer....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band....15%
Automatic....25%
Nash's....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat....45%
Bemis & Call Co.'s Spring Hammer....30&5%
Bemis & Call Co.'s Plate....20%
Bemis & Call Co.'s Cross Cut..30&5%
Atkin's Excelsior Saw Tools ₩ doz. $6.00
Atkin's Criterion Saw Sets. ₩ doz. $6.00
Hart's Pat. Lever....20%
Disston's Star, $9.00, No. 15, $5.50..25%
Richardson's....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00....40&10%
Avery's Saw Set and Punch....50%
F. E. Kohler & Co.'s "Royal" ₩ doz $7.00
F. E. Kohler & Co.'s "Giant Royal"....₩ dos. $12.00
Lloyd Acme....₩ doz., $15.00, 40&10%
Leopold....₩ doz., $15.00, 50%
King's....33⅓%
Keller's....40&10%
Wm. Johnson's:
Hammer....60&5%
Lever, 3 kinds....45%
Wheeler's Patent....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped..$2.20@$2.30
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka....30%
Chatillon's Favorite....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform....40%
Brittan, Graham & Mathes....50%
Scale Beams—
Scale Beams, List Jan. 12, '93...50& 10@50&10&5%
Chatillon's No. 1....40%
Chatillon's No. 2....40%
Scrapers, &c.-
Adjustable Box Scraper (S. R. & L. Co.) $6.50....30&10%
Box, 1 Handle....₩ dos., $4.00, 10%
Box, 2 Handle....₩ doz., $6.00, 10%
Defiance Box & Ship....20&10%
Foot....50&10@60%
Ship Common....₩ dos., $3.50 net
Ship, R. I. Tool. Co....10%
Screens—
Phillips:
Bonanza Screens....60%
Perfection Screens....6 %
Extension....60 & 10&5%
Flyer....50&10%
Window Screen Frames....60 & 5%
Screen Doors—
Phillips:
Stained....50&10%
Painted....50&5%
Fancy Pine....15%
Empire Fancy....30 & 35%
Standard Oil....35 & 40%
Screw Drivers—
C. E. Jennings & Co....40%
Einwachters "Challenge"....50%
Millers Falls Automatic....25%
Millers Falls Ratchet....25%
Millers Falls Duplex....25%
Disston's....5&5%
Disston's Pat. Excelsior....5&5%
Buck Bros....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles....65%
Black Handles....60%
Sargent & Co.'s:
No. 1 Forged Blade....60&10%
Nos. 20, 40 and 60....70%
French's Beech, Round....70%
French's Beech, Flat....75%
French's Ebony, Round....60%
French's Ebony, Flat....70%
N. E. Specialty Co.'s....50%
Electric Spiral $18@$15 ₩ doz 33⅓&2½
Stearns'....25&10&5%
Gay & Parsons....35%
Champion....33⅓%
Clark's Pat....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list....25%
Rapid Spiral....33⅓%
Screw-Driver Bits....₩ doz., 70@50c
Screw-Driver Bits, Parr's ₩ gro. $6.25
Frary's Hol. Hdle. Sets, No. 8, $12, 25&10%
Hercules....70%
P. D. & Co.'s all Steel....50%
Brace Screw-Drivers....25&10%
Buck Bros.' Screw-Drivers Bits..30%
Tower & Lyon:
"Handy" Ratchet....25%
Champion....33⅓%
Copeland....25@25&10%
Brace....33⅓%
Williamson's:
Gem, ₩ dos....90c } 50%
Beauty, ₩ doz....$1.00 }
Wm. Johnson's:
13½ A....70&10%
135¼ Extra....70%
138 Ebonized Handle....70%
141¼....75%
142 Ebonized Handle....70%
Screws—
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron....85%
Round Head Iron....75%
Nickel Plated, Flat Head....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head....50%
Silver Plated, Round Head....50%
Flat Head Brass....85%
Round Head Brass....75%
Flat Head Bronze....80%
Round Head Bronze....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws....87½%
MACHINE—
Flat Head, Iron....45%
Round Head, Iron....40%
Brass, Flat Head....45%
Brass, Round Head....40%
BENCH, HAND, ETC.—
Bench, Iron....70%
Bench, Wood, Beech. ₩ doz $2.00@2.25
Hand, Wood....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890....80&5%
Bed....30&25%
Hand Rail, Sargent's....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co....75%
Jack Screws, Millers Falls, Roller Bearing....5 & 10%
Jack Screws, Millers Falls, without Roller Bearing....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool....60&10%
Chair....60&10%
Scroll Saws—
C. E. Jennings & Co....25%
Lester, complete, $10.00....25%
Rogers, complete, $4.00....25%
Barnes' Builders' and Cabinet Makers', $15....25%
Barnes, Scroll Saw Blades....35%
Scythes—
Grain....40&5@40&10%
Grass....40&10%
Sets—
See Awl and Tool Sets.
Shears—
Ætna, Steel Japanned....60&20%
Ætna, Steel Nickeled....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron....75&10&5%
Hatch Cutlery Co. Solid Steel Forged....60%
Barnard's Lamp Trim'rs. ₩ doz. $3.75
Tinners'....20&2%
Seymour's List, Dec., 1891. 60&10@60&10&5%
Heinisch's List, Dec. 1891. 60&10@60&10&5%
Heinisch's Tailor's Shears....33⅓%
Clauss' Brand, Nickel....60%
Japanned....70%
Pruning. See Pr'ning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 15, 1885....55&20%
Corbin's list....60&10&2%
Patent Roller....60&10&2%
Patent Roller, Hatfield's....75%
Russell's Anti-Friction, list Dec. 18, 1885....60&2%
Moore's Anti-Friction....50%
Stearns' Sheaves....60&10%
Hatfield Sheaves....30%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s....60&10&
Sargent's list....50&10%
Reading list....60&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bess, at factory....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₩ lb 7½c
Perkins Improved Snow....₩ lb 4c
MULE—
Add $1 ₩ keg to above prices.
OX, WROUGHT—
Ton lots....₩ lb 9c
1000 lb lots....₩ lb 9½c
500 lb lots....₩ lb 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c....20%
[Note—Jobbers frequently give 5@ 7½% extra on above].
Griffith's Black Iron....50&10
Griffith's C. S....60@60&10%
Griffith's Solid C. S. R. R. Goods. 20%
Old Colony (Sanford Fork & Tool Co)....35%
St. Louis Shovel Co....20@20&7½%
Hussey, Binns & Co....15@25%
Snow, Long Handle, ₩ dos. $6.25 25&30%
Snow, D Handle, ₩ dos., $7.25 25&30%
Hubbard & Co....20&10%
Payne, Pettebone & Son, list Jan., 1886....30%
Rowland's Black Iron....60&5%
Rowland's Steel....60&10&5%
Shovels and Tongs—
Iron Head....65@65&5%
Brass Head....65@65&5%
Sifters, Flour—
Shaker, Sidney Shepard & Co., ₩ doz. $2.00
Hunters....₩ doz. $2.00
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co)....65%
Fitch's (Bristol)....50%
Hotchkiss....10%
Andrews....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring....70%
German....40@40&10%
Shaw Patent Slide Lock....60%
Cockeye....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps
Spoke Shaves—
Iron....45%
Wood....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron....30%
Stearns'....30&10%
Millers Falls....25%
Wm. Johnson's:
Wood, 1st....30%
Wood, 2nd Quality....3½%
Spoons and Forks—
TINNED IRON—
Basting, Can. Stamp. Co's list. 70&10%
Solid Table and Tea, Can. Stamp. Co.'s list....70&10%
Buffalo S. S. & Co....33⅓&2½%
B. B. Noyes Meat Forks. 50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro....40&15%
Wm. Rogers Mfg. Co....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros....40&15&5%
Holmes & Edwards Silver Co. .40 &15&15&10
L. Boardman & Son....50&13⅓%
MISCELLANEOUS—
German Silver....50@50&5%
German Silver, Hall & Elton. .50& 5% cash
German Silver, Rogers....40%
Wm. Rogers Mfg. Co., Rogers Silver Metal....50&10&5%
Rogers....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron.....
Nickel-Plated..... } 80%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels. 40%
Winterbottom's Try Mitre...30&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares....25&10%
Avery's Flush Bevel Squares....40%
Avery's Bevel Protractor....50%
Brown & Sharpe....30@25%
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples....80&25&10%
Extra Heavy....80%
Hooks and Staples....80&25&10%
Extra Heavy....80%
Hasps and Staples....80&25&10%
Extra Heavy....80%
Staples on Plates....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk..75&10%
Barrel....75&10%
Box and Casket....75&10%
Barbed Blind—boxes....75&10%
Barbed Blind—bulk....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed....75&10%
Poultry Netting....80&10%
Norway Iron Clinch....80&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods....25%
Butterfield's Goods....25%
Lightning Screw Plate....20@25%
Reece's New Screw Plates....25%
Reversible Ratchet....20%
Gardner....25%
Wells Bros. & Co....25%
Schlenker's Die Bolt Cutter....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Strops—
See Razor Strops.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
An extra discount of 2% & 2½ is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ₩ box....$3.25
Best Steel, Blued or Bright, 4 oz. papers, ₩ box....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ₩ box....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ₩ box....$5.15
Atlas "Home" Tacks:
No. 50, ₩ carton....$3.00
No. 50, ₩ case....36.00 } 50%
No. 100, ₩ carton....6.00
No. 100, ₩ case....72.00
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued....60%
Am. Iron, Tinned or Cop'd....65%
Steel, all kinds....60%
Swedes Iron, Blued....50%
Swedes Iron, Tinned or Cop'd....55%
Am Iron Cut Tacks....55%
Swedes Iron Upholst'rs' Tacks, S. S....60%
Gimp and Lace Tacks, Lanc. Swedes Iron....50%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....⅌ gro $4.00
Tinned or Coppered....⅌ gro $4.25
Bonnie Blue Tacks, ⅌ case.....$1.50
Parisian Gilt Nails, ⅌ carton....50c
Bill Nye Brad, ⅌ box.....$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....75%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....75⅔%

Tack Pullers—
Columbia, No. 1, per doz., net,....$1
" " 2, " " .. 1.50

Taps—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ⅌ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case.....80&10%
Combination with Barometer ⅌ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....30%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1887..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....30&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.—
F. E. Myers & Bro.:
Rev. Car., Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Single rail Car, Single Steel T.$3 50
Rev. Car., Wood Track.....$3.75
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete, Steel or Wood Track, (includes four sling ropes).$12.00
Sure Grip Sling Car., Steel or Wood Track.....$6.00
Double Rail Steel Track complete with clamps, ⅌ ft..... .09
Single Rail Steel Track with clamps, ⅌ ft..... .09
D. H. Fork, Steel Regular, each .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1.15
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 435, ⅌ doz.....$2.00
Malleable Frame K. P. Pulleys. Figs. 380 and 381 ⅌ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ⅌ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 3, ⅌ doz.....$1.65
Steel Frame Pulley with Iron Sheave, Fig. 565, ⅌ doz.....$1 50
Reed Wood Frame Pulley with Hook, Fig 434, ⅌ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ⅌ doz.....$2.00
Floor Hooks, ⅝ in. ⅌ doz.....65
Hanging Hooks for Double Steel Track, ⅌ doz..... .60
Hanging Hooks for Single Steel Track, ⅌ doz..... .60
Hanging Hooks for Wood Track, 10 in. ⅌ doz..... .45
Hanging Hooks for Wood Track, 14 in. ⅌ doz..... .55
Wrought Rafter Brackets, ⅌ doz..... .45
Malleable Rafter Brackets, ⅌ doz..... .45
Rope Hitch ⅌ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ⅌ doz hole 30@10%
S.T.....⅌ doz $6.00, 20%
Mouse, Round Wire. ⅌ doz $1.50, 20%
Mouse, Cage, Wire..⅌ doz $2.50, 10%
Mouse, Catch-'em-alive ⅌ dz $3.50, 15%
Mouse, Bonanza.....⅌ gr $10.00
Mouse, Ideal..... .....⅌ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....⅌ gr $9.50
Rat, Keystone.....⅌ gr $10.00
Rat, Exterminator.....⅌ gr $12.00
Rat, Decoy.....⅌ gr $10.00, 15$
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ⅌ gross $18.00.....50%
Rat, ⅌ gross $30.00.....50%
Household.....⅌ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....⅌ gr. $13.50
Electric Rod.....⅌ gr. $16.50
Globe.....⅌ gr. $13.50
Harper.....⅌ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering..... 40%
Brick No. 100 extra.....30%
Point'ng.....40%
Corner.....40%

Vises—
solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination.....50%
Lowell Hand.....33⅓%
Stephens'.....20@10%
Holland's.....40@45%
Parker's.....20@25%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....20@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15.00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ⅌ gross. $2.50 to $12.00
Rattan Drop Tops ⅌ doz. 50c to $1.50
Rattan Straight ⅌ doz. 80c to 3.00
Rattan Fancy Mounted ⅌ doz. $1.50 to $6.00
Stocked Javas ⅌ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ⅌ doz. $4.00 to $7.50
"True Grip" Raw Hide ⅌ doz. $5.00 to $12.00
Whalebone...⅌ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's..... .....25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%

Market:
Brt. & Ann., Nos. 0 to 18.....75⅔%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62⅔%
Tin'd, Tinned list Nos. 0 to 18.62⅔%
Tinned Broom Wire.... ....5¼c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....20%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$5.00 to $ 30%
Steel Music Wire, Nos. 12 to 30 55c ⅌
Tate's Wire Picture Cord Braided and Twisted.....60&10%
Picture Wire.....New list 60&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ⅌ 100 sq. ft., $1.45
Galvanized Wire Netting....60&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel.....40&2½%

Wire Rope Clips—
Crosby.....25%

Wrenches—
Acme:
Bright.....50@10%
Nickel.....45%
Heavy.....50%
Alligator.....40&10%
Hercules.....70%
American Adjustable.....40%
Armstrong's.....40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'."....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut..... ...40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....25&10%
Standard Brace.....25&10%
J. H. Williams.....25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—

	Per Dozen
No. 20, Erie, 10 inch	$24.00
No. 30, Erie, 11 inch	27.00
No. 55, King, 11 inch	23.28
No. 45, King, 10x1¾ inch	25.00
No. 65, King, 11x2 inch	32.00
No. 2, "77" 10 inch	15.50
No. 2, Zenith, 10 inch	16.50
No 3, Zenith, 11 inch	19.00
No. 4, Zenith, 12 inch	21.50

WOOD—

No. 40, Prime, 10 inch	20.00
No. 50, Prime 11 inch	23 00
No. 66, Columbia, 11x1¾ inch	27.00
No. 99, Pittsburg, 11x2 inch	31.00
No. 33, Nonparell, 11x1¾ inch	28.00
No. 44, Nonparell, 11x2 inch	32.00

Peerless Mfg. Co., List Feb. '92 2% cash
Colby Wringer Co.:

No. 10 Rolls, 10x1¾ inches	21.00
No. 11 Rolls, 11x1¾ inches	25.00
No. 12 Rolls, 12x1¾ inches	29.00

PAINTS, OIL, VARNISH, ETC.

Oils—
Linseed, City, Raw.....⅌ gal. 50c
Linseed, City, Boiled.....⅌ gal. 53c
Linseed, Western, Raw...⅌ gal. 54c
Lard, City, Extra, Winter.⅌ gal. 56c
Lard, City, Prime.....⅌ gal. 54c
Lard, City, Extra No. 1...⅌ gal 50c
Lard, City, No. 1.....⅌ gal. 45c

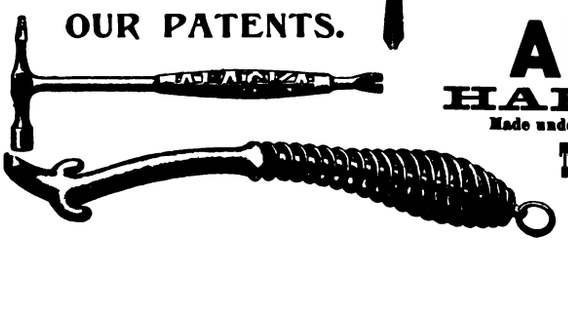
Paints and Colors—
Barytes, Foreign ⅌ ton $22.00@$25 00
Barytes, American, Floated.....⅌ ton $26.00@$28 00
Barytes, American, No. 1.....⅌ ton $16.00@$18.00
Barytes, American, No. 2.....⅌ ton $13 60@$15.00
Barytes, American, No. 3..... ⅌ ton $11.00@$12.00
Paris Green, in bulk.....23c
Paris Green, small package.....29c
Lead American, White.....4¼@4¾c
Lead, Dry in Oil.....5½@6¼c
Lead, Red, in kegs.....5¼@6c
Litharge, in kegs..... 5¼@6c
Zinc, American, Dry.....3¼@4¼

Putty—
In Barrels and half bbls. .01½@.01¾
In Tubs. ..... .01⅝@.01¾
In Tin Cans..... .01½@.02¼
In Bladders..... .02¼

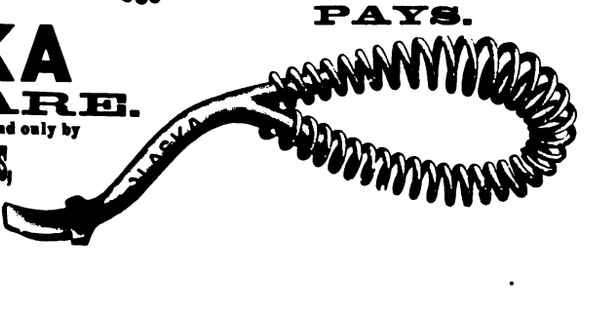
Spirits Turpentine—
In regular barrels.....⅌ gal. 30½c
In machine barrels.....⅌ gal. 31 c

Varnishes—
Glidden's:
Patent Surfacene.....$1.25
Protective Black..... .....$1.75
Transparent Wood Rim Enamel.....$4.50
"M. P." Special Coach.....$1 40
Egyptian Black.....45
Hard Oil Finish.....$1.25
Smith's:
Spar Coating.....$4.00
L.X.L. No. 1.....$3.75
Best Rubbing, Palest.....$4.00
Piano Polishing..... .....$4.00
Coach Japan.....$1.75
Extra No. 1 Coach.....$3.50
No. 1 Coach.....$3.25
Lt. Hd. Oil Finish.....$3.25
Dark Hd. Oil Finish.....$1.25
Wearing Body.....$6.00
Rubbing Body.....$4.50
Quick Rubbing.....$3.50
Black Rubbing.....$4.50
Rough Stuff.....$3.50
Umber in Oil.....⅌ lb .20
Sienna in Oil..... ..⅌ lb .22
Ochre in Oil.....⅌ lb .12
Window Blind Green in Oil.. .21
Chrome Yellow in Oil....⅌ lb .27
Indian Red in Oil.....⅌ lb .21
Dealers' Discounts in large 25

BE CAREFUL OF INFRINGERS OF OUR PATENTS.



ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.



DEALING IN THE ALASKA PAYS.

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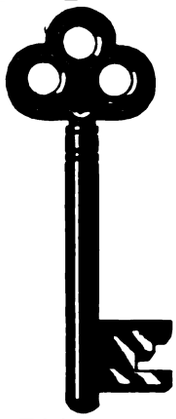
CABINET LOCKS

—OF EVERY KIND.—



Drawer Locks,
Cupboard Locks,
Wardrobe Locks,
Chest Locks,
Desk Locks.

A complete line of more than 1000 List Numbers, exclusive of our old and complete line of Yale Cabinet Locks.



THE YALE & TOWNE MFG. CO.,
STAMFORD CONN.

NEW YORK. CHICAGO. PHILADELPHIA. BOSTON. PITTSBURG. SAN FRANCISCO.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

AN experienced Hardware salesman, to travel in West Virginia, for a first-class house. Some one well acquainted in that section preferred. Address W. W. V., care HARDWARE, No. 143 Chambers Street, New York.

WANTED, a young man, thoroughly acquainted with the Hardware business, to travel in Eastern Ohio, Western Pennsylvania and West Virginia. Answer, with References, "Immediate," care of HARDWARE, No. 143 Chambers Streeet, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given Address J. N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can furnish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

A YOUNG man, with experience on the road, would like to travel for A 1 article in New England. Address H. H., No. 667 Salem Street, Malden, Mass.

WANTED, by young man, twenty-six years of age, position in Hardware store, wholesale or retail. Seven years' experience in builders' Hardware and house-furnishing goods. Understands taking Hardware from architects' plans. Best of references. Address L., No. 2233 Norris Street, Philadelphia, Pa.

WANTED, position as clerk in retail Hardware store, by young man, with 3½ years' experience. References. Address T.; care Lettercarrier No 3, Attleboro, Mass.

Agencies for Hardware Specialties Wanted.

AN active agent, with a large and intimate acquaintance with the domestic and export trade, wishes to represent manufacturers in this section. Address Wilson, care HARDWARE, No. 143 Chambers Street, N. Y

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Offered.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

SALESMAN wanted for good line of German pocket knives, scissors and shears as side line to retrail trade in Pennsylvania and New York State, except city. Liberal commission. Address X. Y. Z., care HARDWARE, No. 143 Chambers Street, New York.

WANTED. salesmen in every State to sell as side line our steel roofing, corrugated iron, conductor, eave trough, etc., product of a large concern. Address "Rare Chance," care HARDWARE, No. 143 Chambers Street, New York.

COMMISSION salesmen wanted on side line. Goods sell from small samples and illustrated catalogue, mainly in Hardware, house-furnishing, crockery, dry goods and bazaar trades. State territory. Staple Goods, care HARDWARE, No. 143 Chambers Street, New York.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co., No. 115 North Vine Street, Hazleton, Pa.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

FOR sale, patent steel roofing, with the necessary tools for applying. Electros for advertising, etc. Trade established. Good opportunity now open. Reasons can be given on application. Address Columbia, care HARDWARE, No. 143 Chambers Street, N. Y.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr. ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

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John H. Graham & Co., New York.

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Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co, Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
American Indicator Co., Lawrence, Mass.
Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co., New York, Hagerstown, Md.
Cushman & Denison, New York.
Eclipse Bicycle Co., Beaver Falls, Pa.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis, Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass.
C. H. Lamson, Portland, Me.
Liberty Cycle Co., New York.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co., New York, Chicago.
Moesberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Premier Cycle Co, New York.
Wm. Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co, Peoria, Ill.
St. L. R. & W. G. Co., St. Louis, Mo.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding Machine Screw Co., Buffalo, N. Y.
Supplee Hardware Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolts.
J. H. Sternburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co., Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co., Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

China and Glassware.
P. H. Leonard, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass.
Northfield Knife Co., Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Desks.
Empire Desk Co., New York.

Dies.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

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Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

Enameline.
J. L. Prescott Co., New York.

Expansion Bolts.
Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

Export Agents.
John H. Graham & Co. New York

Faucets.
John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber-Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
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Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Troy File Works, Troy, N. Y.
Charles Weiland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

Foundry Riddles.
Edward Darby & Sons, Philadelphia.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Frame Pulleys.
Reading Hardware Co., Reading Pa.

Fruit Pickers.
Edward Darby & Sons, Philadelphia.

Garden Cultivators.
Ulrich Mfg. Co., Rock Falls, Ill.

Gas and Electric Light Fixtures.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Gas Stoves.
Novelty Wire Goods Co., New Haven, Conn.

Gears.
T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

Glue.
Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

Graphite.
Jos. Dixon Crucible Co., Jersey City, N. J.

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Cleveland Stone Co., Cleveland, O.

Gunpowder.
E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York.
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co., London, Eng.
Von Lengerke & Detmold, New York.

Gun Implements.
Bridgeport Gun Implement Co., Bridgeport, Conn.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Union Hardware Co., Torrington, Conn.
Union Metallic Cartridge Co., Bridgeport, Conn.

Hangers, Eave Troughs.
John W. Bell & Co., Mercer, Pa.

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Hangers, Coat and Hat.
Barber-Koenig Mfg. Co., Hazleton, Pa.
J. H. Seed, New York.

Hangers, Door.
Coburn Trolley Track Mfg. Co., Holyoke, Mass.
John H. Graham & Co., New York.
Lane Brothers, Poughkeepsie, N.Y.
McCabe Mfg. Co., New York.

Hardware Dealers, Agents, Etc.
W. Bingham Co., Cleveland, O.
John H. Graham & Co., New York.
Russell & Erwin Mfg. Co., New York.
Sickels, Sweet & Lyon, New York.
Underhill, Clinch & Co., New York.
Chas. Weiland, New York.

Hardware Specialties.
American Specialty Co., Hartford, Conn.
Arcade Mfg. Co., Freeport, Ill.
Boston Tape Mfg. Co., Boston.
Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
A. S. Henn & Co., New Haven, Ct.
T. W. Houchin, New York.
Matthai, Ingram & Co., Baltimore, Md.
New England Specialty Co., North Easton, Mass.
North Bros. Mfg. Co., Philadelphia.
Reading Hardware Co., Reading, Pa.
T. F. Welch & Co., Boston.
Yale & Towne Mfg. Co., Stamford, Ct.

Hay Carriers.
F. E. Myers & Bro., Ashland, O.

Hay Forks.
Underhill, Clinch & Co., N. Y.

Hay Racks.
E. T. Barnum, Detroit, Mich.
Broad Gauge Iron Stall Works, Boston.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Hinges.
Th. M. Hass, New York.
McKinney Mfg. Co., Allegheny, Pa.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.
Van Wagoner & Williams Hardware Co., New York.

Hods.
Geauga Fdy. & Mfg. Co., Painesville, O.

Hoisting Machinery.
Energy Mfg. Co., Philadelphia.

Horse Nails.
Ausable Horse Nail Co., New York.
Capewell Horse Nail Co., Hartford, Conn.

Horse Shoes.
Rhode Island Horse Shoe Co., Providence, R. I.

Hose Menders.
C. E. Hudson & Co., Leominster, Mass.

Hose, Rubber.
Boston Belting Co., Boston.
Cleveland Rubber Works, Cleveland, O.
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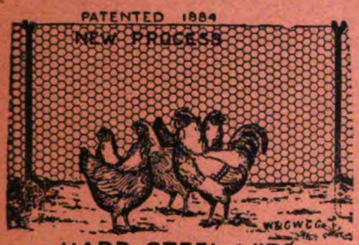
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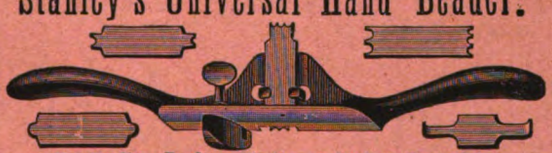
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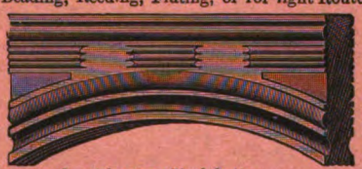
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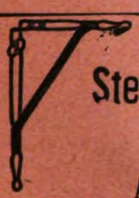
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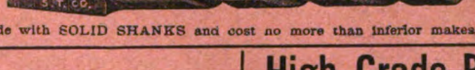
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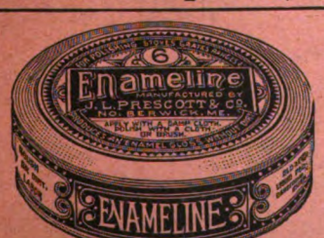
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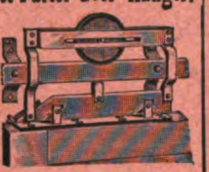


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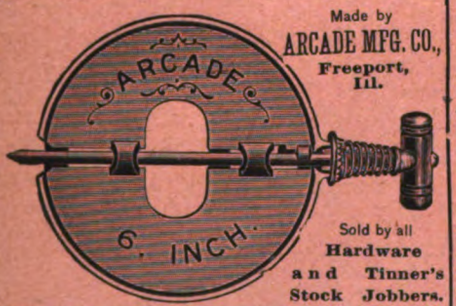


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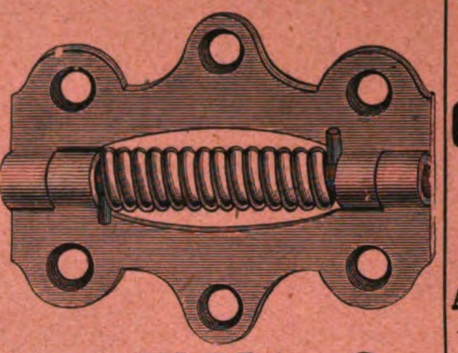
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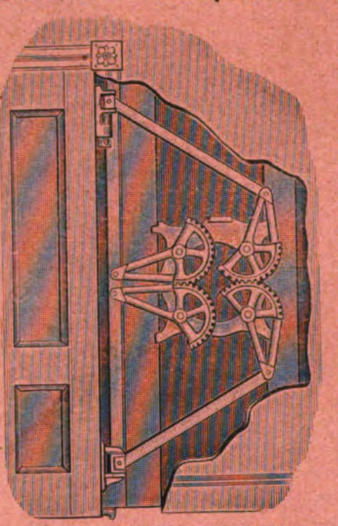


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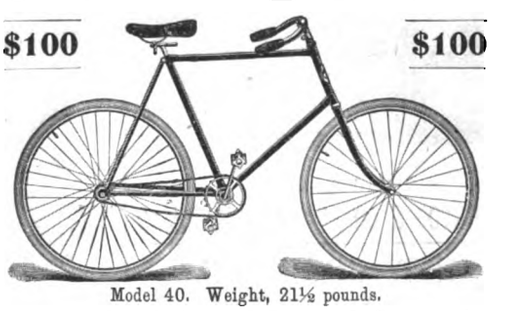
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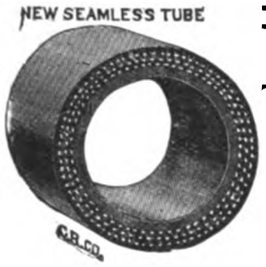
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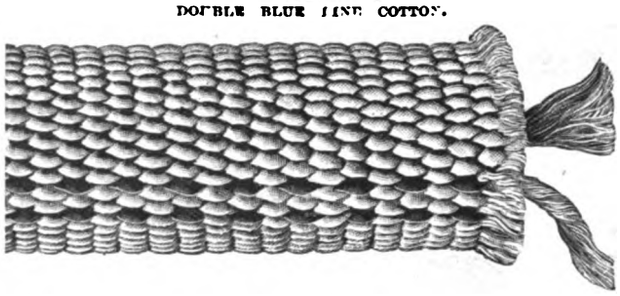
SEAMLESS TUBE HOSE PAT'D NOV 18-90 DEC. 2-90

~ THIS LABEL THESE BRANDS ~

Warranted 2 X L.

High Pressure.

DOUBLE BLUE LINE COTTON.



HIGH GRADE.

ALUMINUM.

OLD GOLD.

BUCKEYE.

SHAMROCK.

WRITE FOR PRICES.

Cleveland Rubber Works,

of the Mechanical Rubber Co

CLEVELAND, O.,

U. S. A.

REPAUNO CHEMICAL CO.,

MANUFACTURERS

ATLAS AND JUDSON POWDERS

AND

REPAUNO GELATINE.

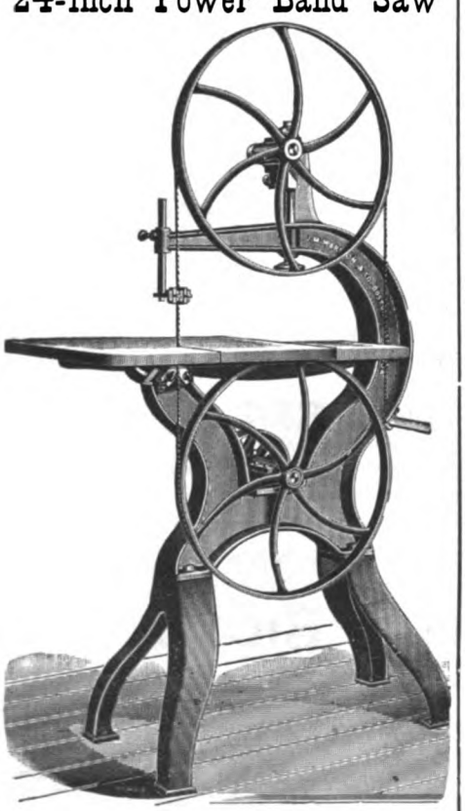
A FUMELESS EXPLOSIVE FOR TUNNEL WORK.

Our High Explosives are Standard and Guaranteed to run Uniform.

GENERAL OFFICES: WILMINGTON, DEL.

BRANCH OFFICES { BOSTON: 18 Bread St. ATLANTA: Equitable Buildg. ST. LOUIS: Wainright Building. JOPLIN: 4th & Joplin Sts. DENVER: 1632 17th St. NEW YORK: 26 Cortland St. CHICAGO: 1221 Monadnock Block. CLEVELAND: Cuyahoga Building.

24-inch Power Band Saw



Send for Price List.

J. M. MARSTON & CO., 251 Ruggles Street, BOSTON, MASS

IVAN T. GOODRICH,

Wholesale Grocer & Dealer in Farmers' Supplies,

612 & 614 Marietta St.,

ATLANTA, GA.

SHOOT BLUE ROCKS

Target shooting makes trade in guns and ammunition good when it is generally dull. You should organize a gun club and promote the sport.

Do you handle nitro powder cartridges? We can interest you. Send for list.

The Chamberlin Cartridge & Target Co.,

Cleveland, Ohio.

SHARP TOOLS are a NECESSITY to a good workman,

But without a GOOD WHETSTONE they are an impossibility

That is why it is always economy to buy



PIKE'S WHETSTONES.

Pike's Indian Pond Scythe Stone, Strong, Sharp Grit, Quick Cutting.

Scythe Stones.

GREEN MOUNTAIN,
LAMOILLE,
BLACK DIAMOND.
PREM. QUINNEBAUG,
WHITE MOUNTAIN,
GENUINE RAGG.
WILLOUGHBY LAKE,

Oil and Water Stones.

WASHITA,
ARKANSAS,
HINDOSTAN,
WATER-OF-AYR,
RAZOR HONES,
TABLE HONES,
AXE STONES, ETC

THE PIKE MFG. CO., - Pike Station, N.H.

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IT TAKES A PULL

to separate the plies of our rubber belting. A yoke of oxen can do it, but hard service won't, so strong is the friction. Our belting is uniform in width and thickness, consequently more of its surface comes in contact with a pulley. That means

NO WASTE OF POWER.

Rubber belting is never injured by water, hence it is best for out-door use, for wet localities, and for mills where the atmosphere is surcharged with moisture or steam, as in paper mills, tanneries, etc. Buy the durable kind, branded 1846-Para, Double Diamond or Carbon, made for 50 years by the

NEW YORK BELTING & PACKING CO. LTD

Pioneers and Leaders, **15 Park Row, New York.**

The "Easy" and "New Easy" Bolt Clippers.

The "New Easy" is the coming Bolt Clipper. No. 3 size for 5-8 inch bolts now ready. Other sizes will be made as soon as possible.



For ⅝ Inch Bolts.

Send for circular and price list.

Can be sold by all Hardware dealers.

H. K. PORTER, **66 Beverly St., Boston, Mass., U. S. A.**

BABBITT METAL.

We make Babbitt and Anti-Friction Metals by standard formulas, and never vary the formula to fit the price. The result is that our Metals are always the same uniform high quality, and we hold our trade.

Save fuel, machinery, time and annoyance by using Babbitt or Anti-Friction Metal that is adapted to the particular Journal in which it is to be used. Friction means loss of power.

Get our pamphlet on Anti-Friction Metals.

BRANCHES AT:

Atlantic Branch, 287 Pearl St., New York.

Boston Branch, cor. Congress and Purchase Sts., Boston, Mass.

Buffalo Branch, cor. Clinton and Oak Sts., Buffalo, N. Y.

Cleveland Branch, Canal and Champlain Sts, Cleveland, O.

Chicago Branch, Fifteenth and State Sts, Chicago, Ill.

St. Louis Branch, Clark Ave. and Tenth St, St. Louis, Mo.

Cincinnati Branch, cor Seventh St and Freeman Ave. Cincinnati, O.

Louisville Branch, Ninth St., between Main and River, Louisville, Ky.

Baltimore Branch, 204 Spear's Wharf, Baltimore, Md.

National Lead & Oil Co., German National Bank Building, Pittsburg, Pa.

John T. Lewis & Bros. Co., 231 S. Front St., Philadelphia, Pa.

WAREHOUSES AT:

Detroit, Mich., cor. Wayne and Woodbridge St.

St. Paul Minn., 349 and 351 Minnesota St.

Omaha, Neb., 1308 Dodge St.

Kansas City, Mo., 1312 and 1314 W Tenth St.

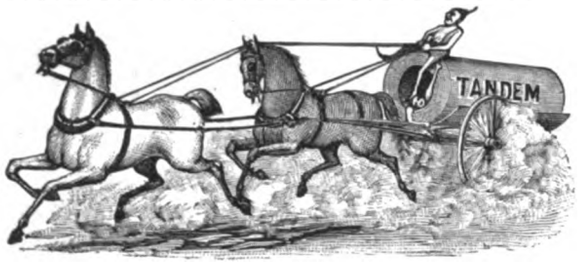
Nashville, Tenn., 99, 101 and 103 Broad St.

New Orleans, La., 516 Natchez St.

NATIONAL LEAD CO.,

No. 1 Broadway, New York.

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Continuous Roofing Tin.

CONSIDER EVERYTHING and see if you don't find it cheaper and better to use "TANDEM" than to use any other equal grade of roofing.

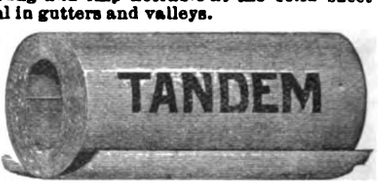
It is easier to lay than ordinary roofing and it makes a better roof.

Our "TANDEM" is made in sheets 20 and 28 inches wide and 96 inches long. The seams are locked together, end to end, making a straight continuous course containing 100 square feet. The seams are soaked on both sides during the coating process, and are as strong and impenetrable as the solid sheet Such courses are particularly useful in gutters and valleys.

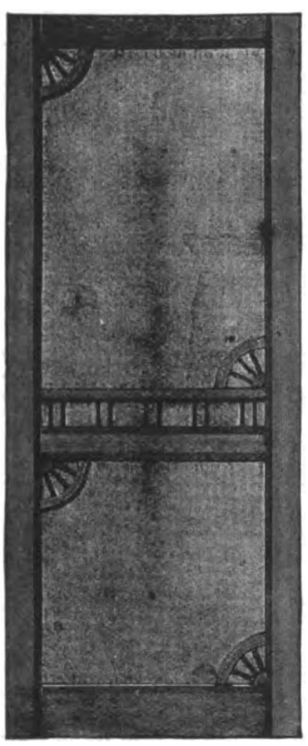
It is ready to use the moment you unroll it. No re squaring, no trouble, no lost time, no waste tin. Every inch of it goes directly on the roof in absolutely straight courses.

It affords a saving of labor and solder. A square of it will cover more roof than a square of 20x28 loose sheets. These are the reasons why every roofer should use it.

There are other points worth considering: (1) While all the plates are full weight (I C thickness), the shipping weight of a square of "TANDEM" is less than that the same quantity of 20x28 sheets. (2) We can ship direct to where the goods are to be used. If you're working away from home this saves freight charges double handling, and time. If you care to know more about "TANDEM" CONTINUOUS ROOFING TIN write us. Prompt shipments can now be made.



MERCHANT & CO., INCORPORATED, PHILADELPHIA: 517 Arch Street. CHICAGO: 202 Lake Street. BROOKLYN: 584-86 Flushing Ave. NEW YORK: 247 Pearl Street.



Pennsylvania Wire Works,

Manufacturers,

Screen Doors, Adjustable Window Screens, Window Screen Wire Cloth, Poultry Netting, and Galvanized Wire Cloth.

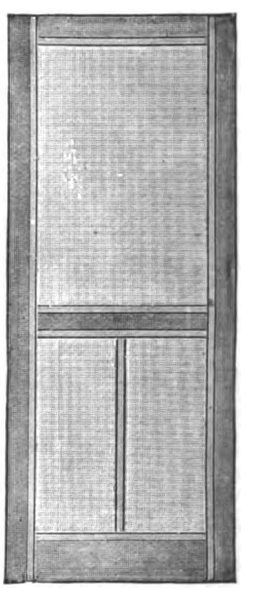
Something New. All made with Springs



Just What You Want.

THE "COMBO" WINDOW SCREEN.

The only adjustable Window Screen that has side wings made entirely of wire cloth. Largest adjustment made in any Adjustable Window Screen.



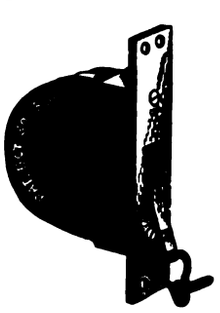
"SPECIAL" DOOR.

——Send for Prices and Catalogue.——

"DARBY" DOOR.

EDWARD DARBY & SONS,

Mention HARDWARE. 233 and 235 Arch Street, PHILADELPHIA, PA.



IF THE COAT FITS, PUT IT ON.

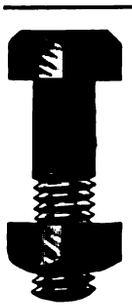
We make good goods, and sell them to the best trade, who sell the best class of Hardware. If there are any of the above who are not already selling

THE CALDWELL SASH BALANCE,

We solicit their orders.

CALDWELL MFG. CO.,

Box 1022. ROCHESTER, N. Y.



WROUGHT WASHERS.

HOT PRESSED NUTS.

MACHINE BOLTS.

The Milton Mfg. Co.,

Milton, Pa.





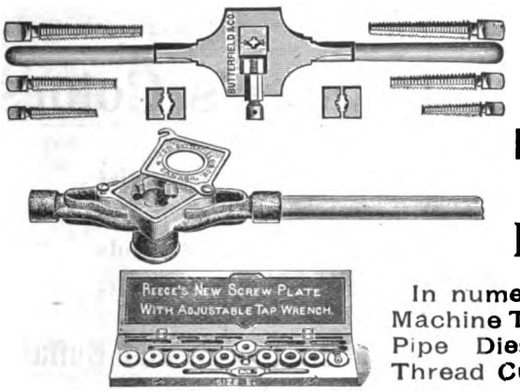
SUPPOSE

Your "ad." was here! You would read it with the other "ads." and it would be read by twenty thousand other people. Advertising in

"HARDWARE"

is the cheapest, and most profitable, because its contents are brought directly to the notice of the Hardwaremen with nothing else to divert their attention. : : : : :

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BUTTERFIELD & CO.,
Derby Line, Vt.
Manufacturers of all sizes
Blacksmiths' Stocks and Dies,
Pipe Stocks of all sizes.
Reece's • New • Screw • Plates

In numerous assortments of sizes. Machine Taps, Hand Taps, Pipe Taps, Pipe Dies, Reamers. All kinds of Thread Cutting Tools.

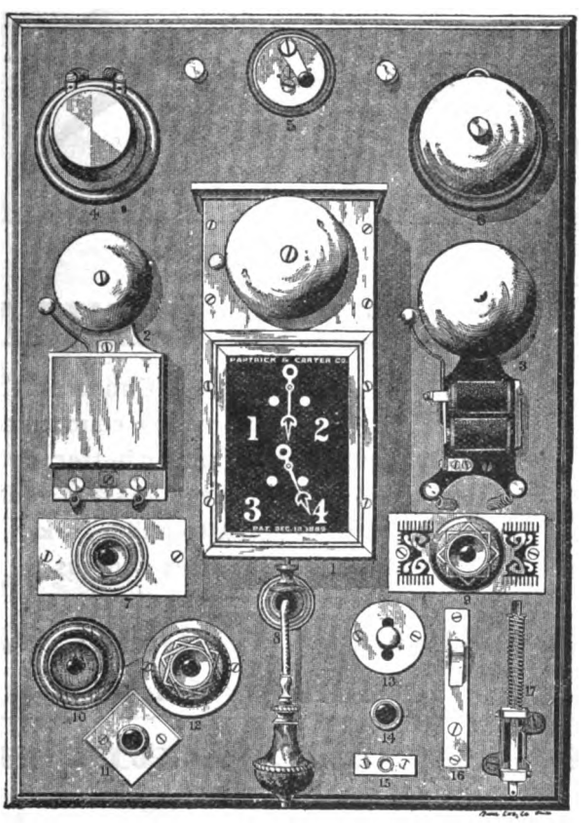
THEO. M. HASS,
MANUFACTURER OF
Fancy Brass Goods, Plain and Embossed Borders, Locks, Hinges, Catches, Clasps and Trimmings, for Albums, Books and Fancy Boxes.
Goods to Order a Specialty. Dies and Tools.
176 CENTRE STREET, (Opposite Earle's Hotel) **NEW YORK.**

THE L. & I. J. WHITE CO., **Buffalo, N. Y.**
MANUFACTURERS OF
Edge Tools, Coopers', Carpenters', Ship. Full line of Chisels, etc.



BARK SPUD.

"Just a Few Samples"



OF OUR LEADING SPECIALTIES IN PRACTICAL OPERATION WILL INCREASE YOUR SALES OF

ELECTRICAL SUPPLIES

FOR

HOUSE WORK

THIS SAMPLE BOARD HAS EVERYTHING CONNECTED AND IN COMPLETE WORKING ORDER FOR EXHIBITION. THE BOARD IS HARD WOOD, SIZE 15X22 INCHES.

YOUR NAME IN GILT LETTERS.

Prices on application and mention of HARDWARE.

ESTABLISHED 1867 — 125 SOUTH 2D STREET

PARTRICK & CARTER CO.

Electrical Supplies of all Kinds — *House Goods a Specialty*

WRITE FOR CATALOGUE — PHILADELPHIA

WEATHER VANES.



WEATHER VANE.

FENCING, STABLE FIXTURES, WINDOW GUARDS, GRILLES, FIRE ESCAPES, OFFICE RAILINGS, SIGNS, STAIRS, JAIL CELLS.

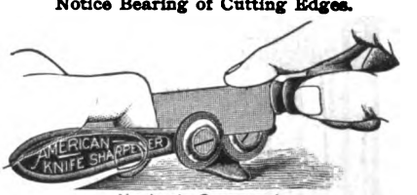
CATALOGUE FREE.

WIRE AND IRON WORK.

E. T. BARNUM, DETROIT, MICH.

The AMERICAN KNIFE SHARPENER.

PATENTED FEB. 23, '92.
Notice Bearing of Cutting Edges.



Absolutely Guaranteed.

This Sharpener must not be confounded with any other on the market, as the quality and temper of the steel permits obtaining a razor edge, while the adjustment of the cutters insures durability. Send for trade discount. Sample by mail 25 cents.

MOSSBERG WRENCH CO.,
Manufacturers of Novelties, **Attleboro, Mass.**

You have no risk on the quality — We make only the best.



Sand Papers in Reams and Rolls

- Flint Paper
- Garnet Paper
- Emery Paper
- Emery Cloth

H.A FELTING for covering Boilers, Steam and Water Pipe, and lining Refrigerators

BAEDER, ADAMSON & Co.

700 MARKET STREET, PHILADELPHIA.
97 BEEKMAN STREET, NEW YORK.
140 MILK STREET, BOSTON.
102 LAKE STREET, CHICAGO.

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FAMILY GRINDSTONES.

Great Reduction in Prices.

If you have not received our revised price list write for it.

The Cleveland Stone Co.,
Cleveland, O.

HAND ELEVATORS,



Dumbwaiters and Hoists.

THE PHILADELPHIA DUMBWAITER

Is the BEST on the market.

Liberal Discounts to Dealers. Send for Catalogue.

ENERGY MFG. CO.,
1223 S. 15th Street, PHILADELPHIA.

Improved Quick and Easy Rising Steam, Electric and Hand Power

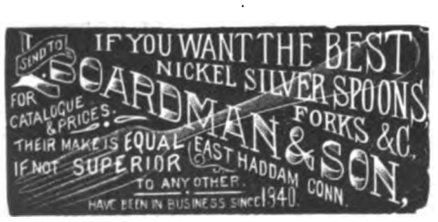
ELEVATORS



Send for Circulars.

Kimball Bros. Council Bluffs. Ia.



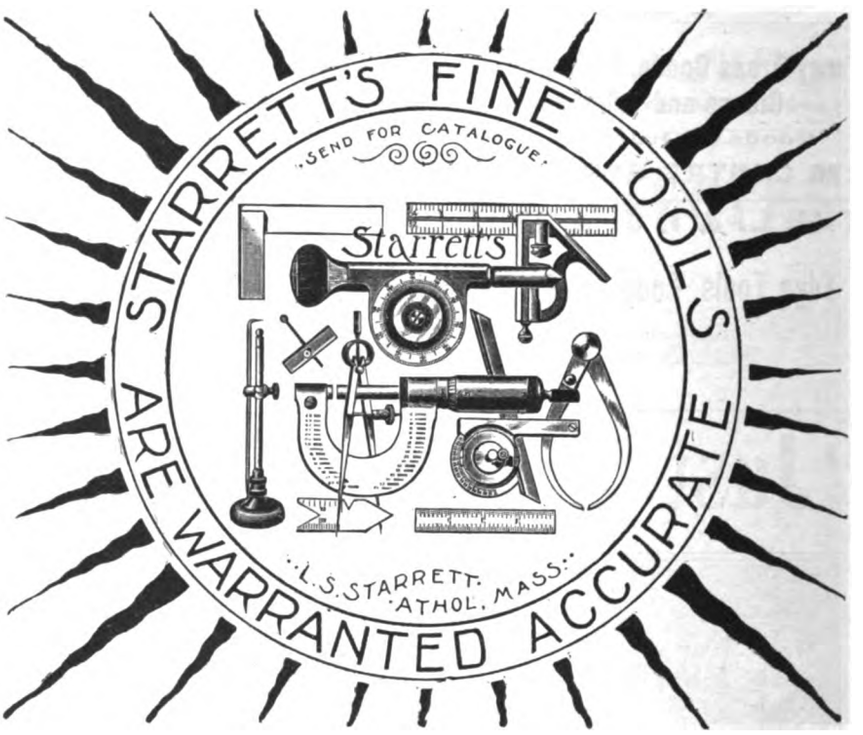




Reduced Prices for Painter's Colors

Send for our new (March 1, '95) net dealers price list for the Lawrence Colors in Oil. Quality, as before, unsurpassed. We want your trade, and if the best goods at closest prices count with you we should have it.

W. W. LAWRENCE, - - Pittsburgh and Buffalo.





THE BUCKEYE CHURN

is the best and the easiest Churn on the market to work; churns by concussion, the only principle for granular butter, open air vent, allowing escape of gas and ventilation without stopping to pull a cork.

For Catalogue and prices address

Buckeye Churn Co.,
Sidney, Ohio.

Holmes & Edwards.

—Anything made by them you are sure of.—



Spoons and Forks of the highest grade. Either plated or solid metal.

—Send for Folders.—

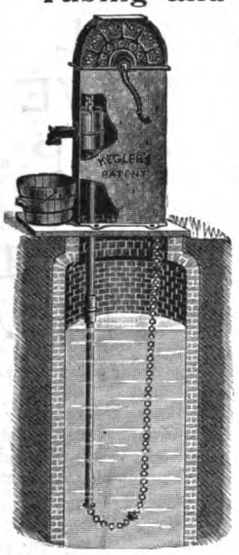
The Holmes & Edwards Silver Co., - Bridgeport, Conn.

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Pure Pump Water.

Your water will always be clean and sweet if you use

KEGLER'S PATENT
Galvanized Iron
Tubing and Curb



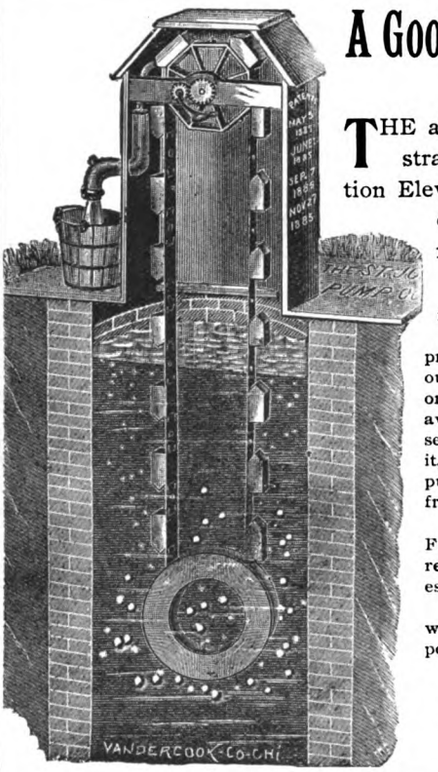
No taste of iron or wood.
No rotting, no rust, no filth.
No freezing, as upper section of Tubing is made tapering.
No waste of water, on account of enlarged head on Tubing.

More Durability.
Less Weight.

Tubing is 12 times lighter than wet wood. Can be attached to any curb. The only satisfactory Tubing and Curb for Chainpumps. Send for illustrated Catalogue.

Sole Manufacturers,

Bellevue Pump Co., Bellevue, Iowa.



A Good Article Will Always Sell

THE above fact has been thoroughly demonstrated by the large sales on the "Perfection Elevator and Purifying Pump" in the last eighteen months, when every other business almost has been at a standstill.

The prospects for a booming trade on the **"Perfection"** for the coming season were never better.

"The proof of the pudding is the eating." Our proof of the "Perfection" is the orders we now have on our books for Spring delivery. Dealers place your orders at once for shipment in the next ninety days, to avoid delay in getting your orders filled promptly, and sell the best pump in the world. If you don't believe it, write us for our illustrated catalogue and book on pure water, which contains hundreds of testimonials from the best dealers in the United States.

We have made another improvement in our D. G. Fixture, as well as our new combination spout and receiver of cast iron. Our guarantee to purify the foulest well or cistern in ten days use, always stands good.

We are also manufacturing a new irrigation pump with capacity of one hundred to two thousand gallons per minute. Address us for prices. Mention this paper.

ST. JOSEPH PUMP CO.,
ST. JOSEPH, MO.

MYERS REVERSIBLE STEEL and WOOD TRACK HAY CARRIERS

TRADE MARK. A complete outfit. Easy to put up, always reliable and fully warranted to meet the wants of any farmer.



MYERS' FORCE AND LIFT PUMPS



Simple, durable, powerful, easy to operate never affected by frost. **Patent GLASS VALVE,** will never corrode. Ask your dealer for our goods. Write for catalogue.

MYERS & BRO. ASHLAND, O.



PUMPS

WOOD AND IRON. OUR WOODEN PUMP IS THE BEST MADE. THEY ARE FIRST CLASS IN EVERY RESPECT. ONLY ONE DEALER IN A TOWN ALLOWED TO HANDLE THEM. WRITE TO US TO-DAY.

COMSTOCK & COONSE CO.,
INDIANAPOLIS, IND.

Advertisements That are Useful.



A Stove Polishing Mitten is Needed in Every Home.

We make them with your Ad. on front and back, in lots of 500 and upwards. **PRICE LOW.** You can afford to use them. Write us.

BOSTON TAPE MFG. CO., 187 Pearl St., BOSTON.
Manufrs. of Useful Adv. Mediums.



L. COES'

Genuine Improved
KNIFE HANDLE
PATENT
Screw Wrenches.



MANUFACTURED BY
COES WRENCH CO.,
WORCESTER, MASS.

Established in 1839.
Registered March 31, 1874.
Patented July 6, 1880.
Patented July 8, 1884.

Sectional View Illustrates our New knife Handle, showing Malleable Iron Frame and Shank of Bar keyed into position.

Straight Bar, Extra Long Nut for Screw in Jaw.

The BEST MADE and STRONGEST WRENCH in the MARKET.

J. C. McCARTY & CO.,
JOHN H. GRAHAM & CO. } New York Agents.

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ESTABLISHED 1828.

BOSTON BELTING CO.,

JAMES BENNETT FORSYTH, Mfg. Agent and Gen. Manager.

ORIGINAL MANUFACTURERS

—OF—

MECHANICAL RUBBER GOODS.



RUBBER BELTING, HOSE, PACKING, TUBING, GASKETS, VALVES, GARDEN AND LAWN HOSE, MATS, MATTING, PERFORATED MATS, SPRINGS, WASHERS.

BOSTON: 256-58-60 Devonshire St. | **NEW YORK:** 100 Chambers Street.

—Salesrooms:—

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26 Light St.....Baltimore, Md.
90 Pearl St.....Buffalo, N. Y.
150 Water St.....Cleveland, O.
161-165 W. Pearl St...Cincinnati, O.
26 6th St.....Pittsburgh, Pa.
8-10 E. Michigan St. Duluth, Minn.
248-252 East 4th St...St. Paul, Minn.
9th St. & Wash'n Ave. St. Louis, Mo.
410-412 W. Fifth St. Kansas City, Mo.
10-16 N. Commerce St...Mobile, Ala.
24 Fremont St...San Francisco, Cal.
127-9 S. Meridian St. Indianapolis, Ind
257 Main St.....Memphis, Tenn.
109 Madison St.....Chicago, Ill.
380 East Water St. Milwaukee, Wis.
4 Monroe St., Grand Rapids, Mich.



WHY YOU SHOULD CATALOGUE AND SELL

THE HEATH BALL VALVE PUMP

And PATENTED

UNIVERSAL COUPLING.

It is the best known pump.
It is the most popular pump.
It sells easier and in larger numbers.
It gives satisfaction to the user.
All parts broken or defective, returned, replaced free.
It works easy and has great capacity.
It is fitted with our patent Universal Coupling.
We own the patent covering this device and have never sold the right to use it; it will be reserved for our pump and the benefit of our customers.
Infringers will be prosecuted.
Electros sent free on request.

RETAIL PRICE $2.00.

Liberal Discount to the Trade
Electros Free for Catalogue Purposes

Sole Manufacturers,

S. F. HEATH CYCLE CO.,

Minneapolis, Minn.

The AMERICAN WICK is made on scientific principles. The gum inherent in the natural cotton is taken out, and no expense is spared to produce a wick that will give THE GREATEST ILLUMINATION.

THE

AMERICAN WICK

Made by the

WICK DEPARTMENT

Of the STANDARD OIL CO. of NEW YORK.

Oil drawn up through the AMERICAN WICK burns with a large, clear, white light and the flame does not drop off in size as it does when a poor wick is used. When the cotton is clogged with its natural dust and gum the full illuminating power of the oil is not obtained and the complaint is heard that the light DROPS.

Dunlap's Superior Garden Sets.



Best Quality, Finely Finished.

No cast iron used in the manufacture of these goods. Send for our new illustrated catalogue, showing the most complete and finest line of Kitchen Hardware and Garden Tools made.

C. W. Dunlap & Co., 88 Chambers St, New York.

P. S. STUB'S FILES. TOOLS. STEEL.

Hubert's French EMERY PAPER. KEARNEY & FOOT FILES.

CHURCH & SLEIGHT IMPORTERS Tools, Metals, Supplies. JOBBERS 109 FULTON ST. 109 NEW YORK.

ADDIS'S Carving Tools. Chesterman's TAPES AND RULES.

TWIST DRILLS, TAPS, DIES, Machine Screws.

CABLE ADDRESS "BUNDLET NEW YORK."



CENUINE

CHISELS | CARVING TOOLS
GOUGES | PLANE IRONS &c.

"STAMPED WITH THE BUCK'S HEAD,"

THE STANDARD FOR 40 YEARS
Highest Awards & Prize Medals
Sold by Hardware Dealers Everywhere
Each tool bears one of the marks here shown. SEND FOR PRICE LIST.
EDGE TOOL MFRS. MILLBURY, MASS.

BUCK CAST STEEL BROS. BUCK BROTHERS

BUCK'S HEAD.



TO GAIN SUCCESS IN BUSINESS,

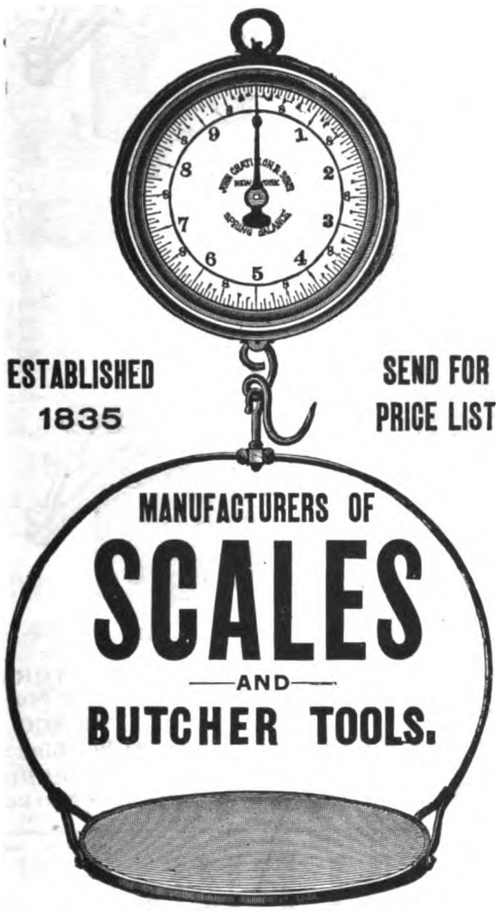
It is just as essential to invest part of your capital in Advertising as in merchandise. Advertise in

"HARDWARE."

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John Chatillon & Sons,

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK



ESTABLISHED 1835

SEND FOR PRICE LIST

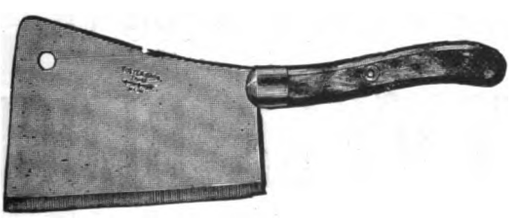
MANUFACTURERS OF

SCALES

—AND—

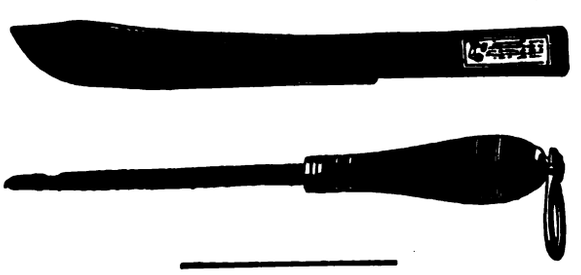
BUTCHER TOOLS.

SOLE AGENTS FOR



Foster Bros.'

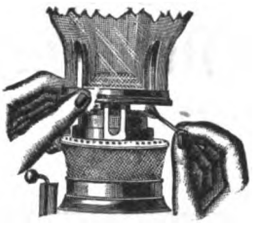
BUTCHERS' CUTLERY



JOHN CHATILLON & SONS

85, 87, 89, 91, 93 CLIFF STREET, NEW YORK.

The



B & H

LAMPS.

—Easy to Light—

—As Gas.—

For they are made with the PATENT LIFT ATTACHMENT, as shown above, by the use of which the Lamp can be lighted without removing chimney or shade

Lift the Ring that holds the Chimney, apply the match, and let the Ring drop back to place.



—"The B & H"—

Is the only Lamp made with DOUBLE CENTRE DRAUGHT.

This feature produces Perfect Combustion, the result being the Brightest and Best Light. They are made in the Largest variety of styles and Handsomest Finishes.

We also Manufacture a Complete line of *Bronze and Brass Art Metal Goods,*

Gas and Electric Light Fixtures, Fenders, Andirons, Fire Sets, Etc.

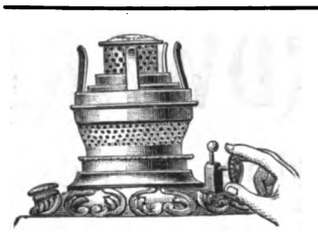
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Ask for our Little Book and send for Descriptive Circular of our B & H Oil Heaters.

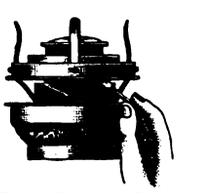
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NEW YORK,	BOSTON,	PHILADELPHIA,	CHICAGO,
26 Park Place.	160 Congress St.	Room 710, Betz Bldg.	204 Masonic Temple.

Main Office and Factories, Meriden, Conn.



Ratchet Wick-Raising Movement.



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Shows Lighting Without Removing Shade or Chimney.

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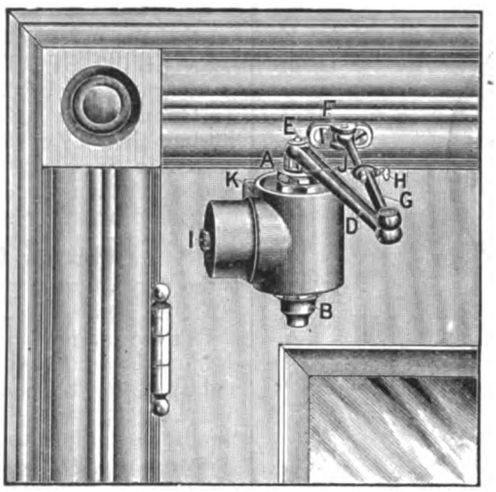
New York City. Chicago, Ill.

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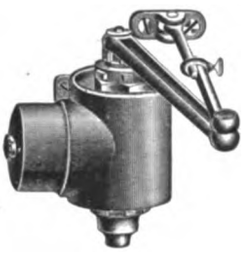
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You are losing money if you do not have the

"SURE GRIP" STEEL TACKLE BLOCKS

To offer your customers.

They are largely substituting other Blocks on account of economy and reliability.



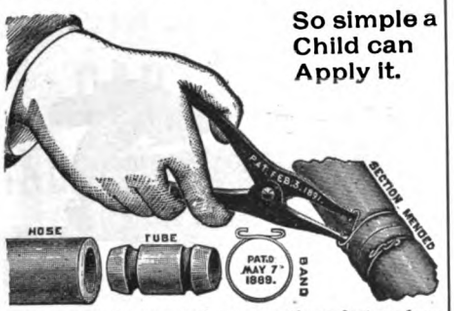
Holding the load at any point without fastening the rope is an advantage appreciated by all who have lifting to do. Send for Catalogue.

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Mender . . . .

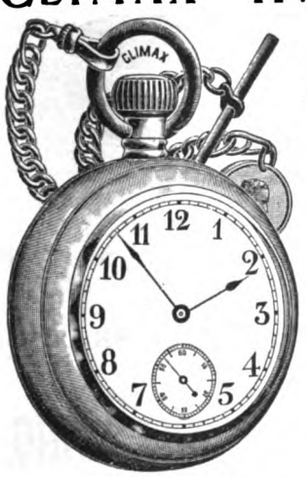


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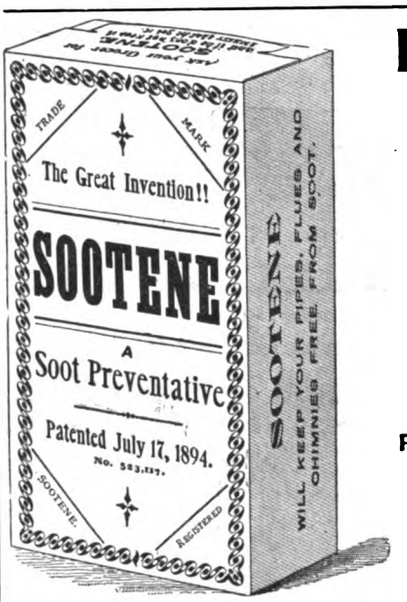
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Manufacturers of

Sash Chains, Padlocks and Plumbers' Supplies,

Are Prepared to Estimate on

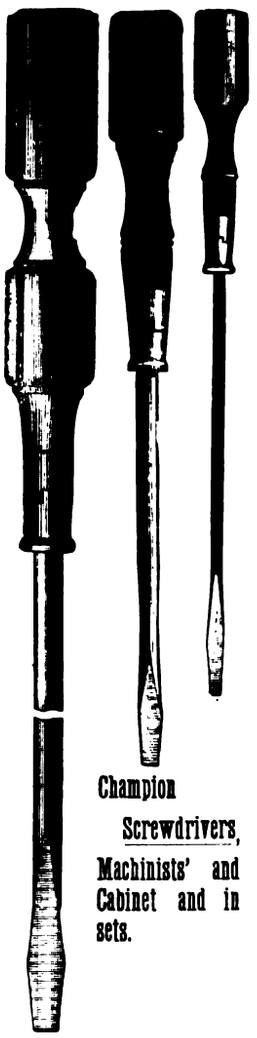
Models, Special Tools

And the manufacture of all kinds of

SHEET METAL NOVELTIES.

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Carpenters and Machinists' Tools.

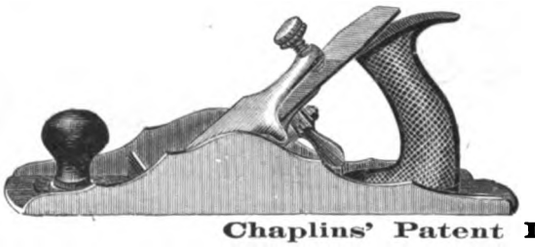


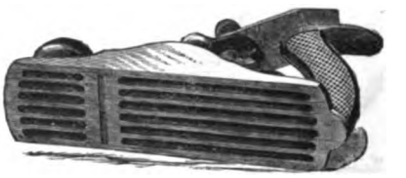
Champion Screwdrivers, Machinists' and Cabinet and in sets.



No loose parts.

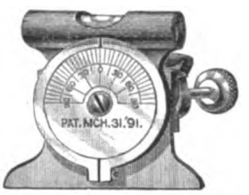
Improved Clark's Pattern Expansive Bits. Lavigne's Patent.





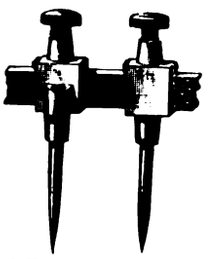
Corrugated Face.

Chaplins' Patent Iron Planes.



Unique Levels for Sqr.



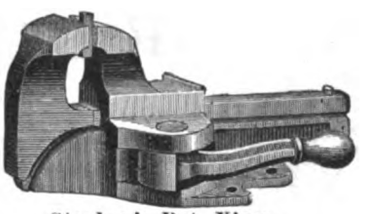


Plumb Bobs and Trammel Points.

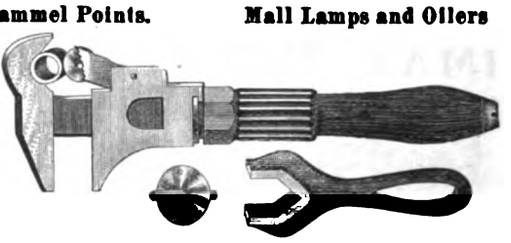




Mall Lamps and Oilers



Stephen's Pat. Vises.



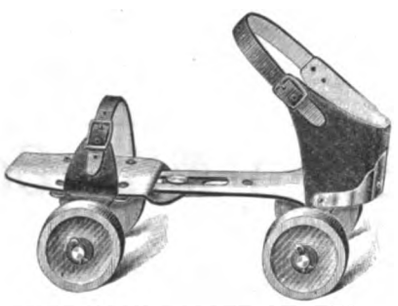
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Manufacturers **Padlocks, Police Goods, Etc.**

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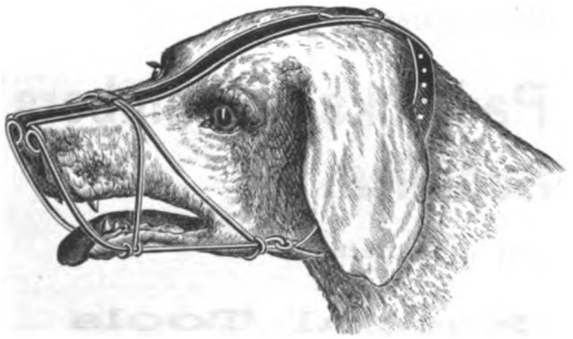




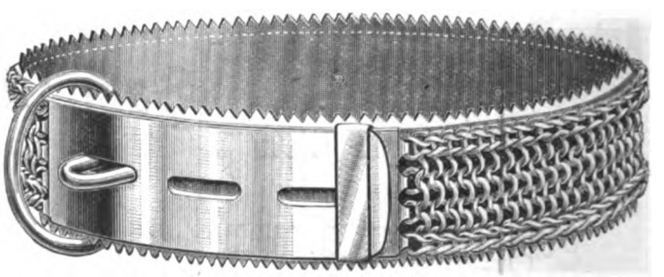
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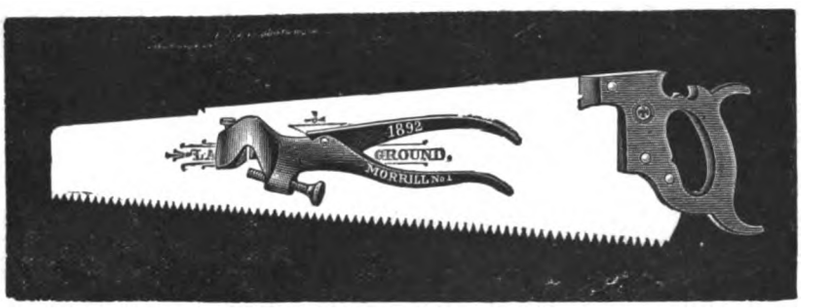
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Shipped K. D. to secure lowest freight rate, and can be set up in a moment.

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9 inch.	15 inch.	18 inch.	22 inch.
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"ALLIGATOR"



THE "ALLIGATOR" WRENCH

Holds	No. 1.	No. 2.	No. 3.	No. 4.	No. 5
Pipe	⅛—¾	⅜—¾	½—1¼	1¼—2	2 —3
Roundiron	⅜—¾	½—1	¾—1⅞	1⅜—2½	2½—3½
Length	5¾	9	16	22	27
Per Dozen.	$4.00	$12.00	$24.00	$36.00	$54.00

The "Alligator Wrenches are forged solid in one piece, with tempered steel jaws They have ratchet teeth *cut diagonally* across one jaw, thus enabling them to bite with three teeth at once.

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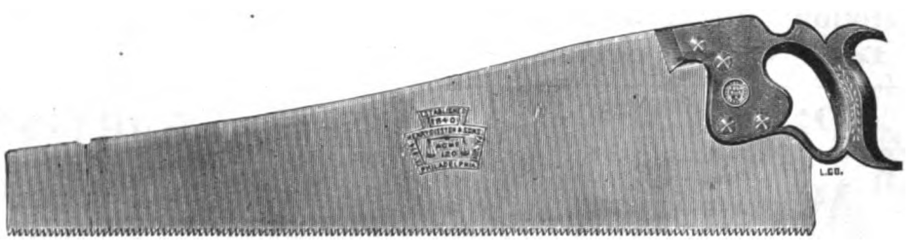
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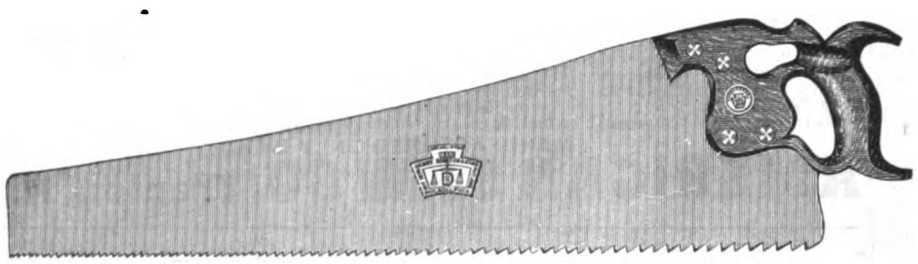
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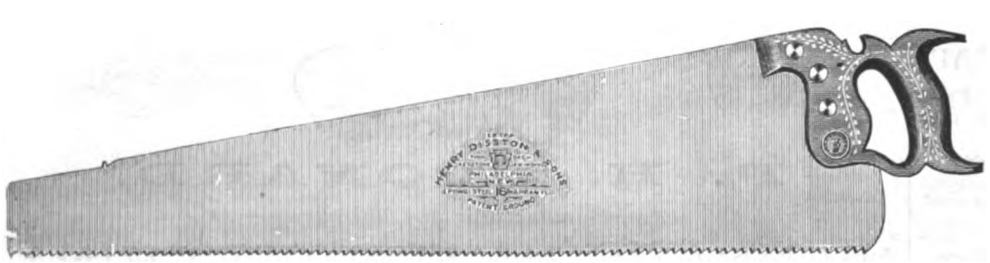


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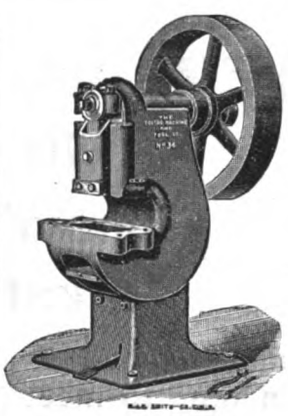


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26 in. Boys'
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Roller Skates
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The Demand is sure to come.
Prepare in time to meet it.

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HARDWARE

VOL. X. MARCH 25, 1895. NO. 12.

HARDWARE is a Review of the American Hardware Market, specially devoted to the Retail Trade.
Published on the 10th and 25th of each month, by the
HARDWARE PUBLISHING COMPANY.
No. 143 CHAMBERS STREET, NEW YORK.

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PAPER IN THE UNITED STATES DEVOTED
EXCLUSIVELY TO THE HARDWARE TRADE.

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With this issue, HARDWARE completes its fifth year of service in the interests of the great trade it has the honor to represent. This fact will be commemorated in our Fifth Anniversary Number of April 10th, which will be both in circulation and size, the largest issue HARDWARE has yet had the pleasure of laying before the trade. It is needless to say anything here in regard to the success which has crowned these five years, as HARDWARE in each issue speaks for itself, and further evidence of that success will be shown in the birthday number above referred to.

A cheap and ingenious method of telephoning has been discovered in Victoria, Australia, namely, the ordinary wire fence. The rust which forms on the wire acts as an insulator, and protects it from the moisture. The long distance microphone transmitters, and dynamo call bells and receivers are used. This system has been operated perfectly over an intervening distance of twenty-eight miles.

As will be seen by the full presentation of the matter elsewhere, the Sportsmen's Exposition, which is to be held in the Madison Square Garden, New York, in the month of May, will be one of the greatest and most interesting exhibits of the kind ever shown in this or any other country. It will be an affair which will of itself prove a liberal education in the line of sporting goods, trophies of the chase, methods, appliances, etc., and the occasion is one that should excite the interested attention, not only of manufacturers and dealers in these lines, but of the general public as well.

The annual banquet of the New England Iron & Hardware Association welds another link in that strong chain of fraternity which is gradually binding the whole Hardware trade of this country into one compact mass of brotherhood. Through these Associations, and the annual gatherings which are becoming so frequent, the members of this trade are brought into close companionship, and the benefits are inestimable. The pathway over many difficult places is made easier and plainer by their mutual influence, while healthful competition is in nowise injured or retarded by their operation. Some entertaining things were said at this recent gathering in Boston, as will be seen by our full report in this issue.

The Voice of a Southern Hardwareman.

At the annual dinner of the New England Iron and Hardware Association, a full report of which may be found elsewhere in this issue, Major Edward Buford, of Nashville, advanced some sentiments which attracted marked attention when uttered, and will receive even greater attention when laid before that larger audience which publication permits.

He spoke as a business man of the South to the business men of the whole country. He also spoke as an ex-Confederate soldier to those who had once been his foes, but to whom he had been drawn in close personal relations, during the third of a century that has passed since he took up arms in a cause which he then believed to be right, and for which he has now no apologies to offer. His declarations were cheered to the echo by that great and solid body of New England business men, and the expressions of good will he uttered were by them reciprocated.

The speech of Major Buford should be read in full, by every business man who has the good of his country at heart. It shows that the New South is ready to keep step to the music of the Union. He declares that Secession is a word lost forever from the vocabulary of the South; and in place of the States Rights that once ran so rampant in that section, he demands greater power for the General Government, an increase of the Army, and the power to use that Army whenever riot or disorder shall prevail,—and it was a significant thing when the business men of New England applauded that sentiment.

In his own person, the speaker illustrates the fact that while the politician too often finds his interest in stirring up strife between the North and South, the business man finds his interest in another direction. For twenty years he has been coming to the North for the purchase of goods, and in every trip he has learned much and taught a great deal; has broadened his own views and those of the persons he has met; has found

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that the Northerner is not a bad fellow after all, and proved that the Southerner is no worse. This is the true means of knowledge, and the true pathway to a perpetual friendship that shall prove a blessing to every section of the country which its touch broadens and brightens.

A Swindling Operation.

The Yale & Towne Mfg. Co., Stamford, Conn., seem to be paying the penalty of success and greatness, as some sharpers are alleged to have taken advantage of their position and the character of their goods, to perpetrate a swindle which is described in the following manner: They call upon a Hardware house doing a retail business, and state that the company would be glad to present the dealer with a new key-sign in return for an order, stating that this order can be made upon his jobber. Having secured a card from the retailer, the impostor then goes to the jobber, getting in exchange for the retailer's card, which is previously secured, a genuine order from the jobber on Yale & Towne. This order is made to read "Deliver to Bearer," and in this way he secures the goods, which is the last heard of them. The company inform us that they already have had three separate cases of this sort. It would be well for all parties to be upon their guard, and to watch this little operation.

The increase in the business of the Plume & Atwood Mfg. Co., No. 18 Murray Street, New York, and the need of more room to show the large line of lamps, and other metal goods handled by the company, necessitate larger quarters. On May 1st or thereabouts the company will remove to No. 29 Murray Street, on the northeast corner of Murray and Church Streets. The removal will allow of increased facilities in both display and stock rooms. They will occupy the street floor and basement.

The Ideal Mfg. Co., New Haven, Conn., announce that they have purchased the sole right to manufacture the implement known as the Spangler Crimper, and request that hereafter all dealers who order this article may address the manufactory or their jobbers, under the name of the Spangler Ideal Closer. They add that these goods will continue to be made of first-class material, and workmanship fully guaranteed.

William H. Coldwell, a member of the Coldwell Lawn Mower Co., and son of President Coldwell, of that company, has been appointed by the mayor of Newburgh, N. Y., alderman-at-large of that enterprising and busy city. Mr. Coldwell has been "at large" among the lawn mower buyers of this country quite extensively for some years past, and now has the honor of adding "Alderman" to his name.

Frank J. Oliver, of Oliver Bros., No. 33 Chambers Street, New York, has just returned from an extended trip West. He says that the Pacific Coast States are to have a new railroad, which will terminate in San Francisco. It is expected to develop the inland trade of this entire region and restore to San Francisco her lost commercial supremacy.

The St. Louis Refrigerator & Wooden Gutter Co., St. Louis, Mo., began some ten days ago to run their factory on double time, and expect to keep this up for three or four months. This is a substantial evidence that the Lu-minum Bicycle has found that favor in the market which its high qualities make a foregone conclusion.

"How shall we treat the travelling salesman?" asks an exchange. Just ask him up with the rest.

New York Hardware Club Notes.

The annual meeting of the New York Hardware Club was held at the Club rooms at one o'clock, on Saturday, March 16th. There was a large attendance, and not only interest but pleasure was exhibited by the members of the Club over the fine showing made in the annual reports of the president, secretary and house committee. William H. Williams, president of the Club, presided, and J. L. Varick attended to his duties as secretary. In a brief opening statement, President Williams explained the condition of the Club in minute degree, and his statements were followed by those of Treasurer Keating, which showed that the Club is in all respects in a most excellent condition.

The annual election of five governors was then taken up, and the chairman appointed as tellers, Archibald Paull Mitchell and Charles F. Clark. The five governors who had been renominated to succeed themselves for the term of three years, were unanimously elected, as follows: Alfred D. Clinch, Charles Daly, Brace Hayden, Mortimer C. Ogden and Webster R. Walkley.

A number of amendments to the constitution and by-laws which had been proposed by the board of governors were then taken up. Discussion upon the various points was participated in by various members, and favorable action was taken on the majority. That proposing to increase the admission fee for resident members to $100, and $50 for non-resident members, was voted down.

The board of governors met on Friday, March 22nd, and in accordance with the requirements of the constitution, proceeded to elect officers for the coming year. The present staff were unanimously elected for the coming year as follows:

President: William H. Williams.
Vice-President: R. H. Swayze.
Treasurer: Thomas F. Keating.
Secretary: John L. Varick.

The committees for the coming year were appointed by President Williams as follows:

ADMISSIONS.

Peter McCartee, Chairman.
Alfred D. Clinch, Robert H. Swayze,
Charles Daly, Edward C. Van Glahn.

FINANCE.

Webster R. Walkley, Chairman.
Brace Hayden, Mortimer C. Ogden.

HOUSE.

Eugene Bissell, Chairman.
Peter McCartee, Arthur G. Sherman,
Brace Hayden, Edward C. Van Glahn,
John L. Varick.

LIBRARY.

A. D. Clinch, Chairman.
James H. Kennedy, Richard R. Williams.

The following gentlemen have been unanimously elected to membership since our last report:

George Poggenburg, No. 43 Warren Street.
Lemuel E. Quigg, Editor New York *Press*.
Charles A. Miller, No. 149 Broadway.
Henry W. Sackett, Tribune Building.
Ronald Taylor, No. 15 State Street.
John I. Cole, No. 271 Broadway.
H. F. Hutchinson, No. 4 Park Place.
Walter B. Cowperthwait, No. 195 Park Row.
William Morse, No. 114 Duane Street.
John M. Peters, No. 23 Vandewater Street.
Lyman D. Morse, No. 38 Park Row.
Frank L. Babbott, No. 316 Broadway.
Robert Davidson, No. 234 Broadway.

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Sportsmen's Exposition Association.

The demand throughout the country for information concerning the Exposition to be given by the Sportsmen's Exposition Association, at the Madison Square Garden, New York, on May 13 to 18, 1895, has forced upon the management the necessity of issuing a regular weekly bulletin containing the information necessary to keep the public advised of the exhibition, and to guide the manufacturers, artists and private individuals who desire to make exhibits either for business purposes in the manufacturing department, or for educational exhibition of private collections of objects of historical interest in the Loan and Trophy Department. The haste of some of the manufacturers to be identified with the Exposition is quite marked. When the Exposition was first planned, a number of the manufacturers were quite indifferent to the affair but are now hurrying in earnest, and showing increased confidence in the advantages to be derived from being conspicuously represented, and are now among the most enthusiastic promoters.

A brief glance at the prospectus issued a short time since and published in HARDWARE, heretofore, will outline the extensive character of the Exposition. There are, up to this hour, thirty-four leading firms who have taken spaces. Some of the exhibits will cover 520 square feet of floor space, in which will be introduced many novel features. For months past some of the manufacturers have been busy preparing their elaborate exhibits, and have made importations from foreign countries, in order to enable them to prepare entirely new material for this occasion. The marvellous beauty of the firearms and weapons to be shown will be imposing and a revelation to the profession as well as to the novice. Both barrel and blade will show the skill of the designer and engraver. Art in firearms will here be demonstrated. The mechanism and devices invented for rapid firing and safe control of the modern firearms will be an Exposition alone.

The exhibits of the ammunition makers will show the master hand of the chemist and subtle power and strength of the explosive agents of the hour, which seem to be unlimited. Exhibits showing the power of the powders and the skill of the marksman will be illustrated by targets and diagrams. These displays will be gotten up by the most important manufacturers of this country. Gun implements showing inventions of unique and practical character will attract the visitor and not only interest the dealer, but the consumer.

Those who will attend the Exposition will not be able to move very far among the mass of exhibits, before finding near at hand the sailing craft of the primitive hunter, as well as that of the modern Nimrod. The dug-out of old, the bark canoe of the Indian, the sober boiling launch, the shining sails of the phantoms of the sea, those shafts of the silent waters which almost defy Father Time, all will be there, side by side, a record of the crafty savage and of intelligent man.

The comprehensiveness of the other classes of the Exposition is quite as complete.

The following firms have been assigned space since our recent publication:

Recreation, Geo. O. Shields, publisher.
William Lyman.
Iver Johnson's Arms & Cycle Co,
Parker Brothers.
Sporting Goods Dealer.
T. W. Fraine.
Hazard Powder Co.
The Webster Studio.

Every week now adds to the number of exhibitors. The choice spaces are being rapidly allotted and now number upwards of 75, leaving but a limited number at the command of the Association. A day's delay may find some very important exhibitor without space. The Association will arrange for reduced traveling rates from all points in the United States. The rates will be low, and will offer every inducement to attend the Exposition.

The importance of the Exposition as a means of extending the public interest of the manufacturer and the dealer cannot be overestimated. Every step towards the education of the public tends to broaden the knowledge of the novice and quietly enlist new disciples into the ever increasing and changing ranks of the sportsman, as the old followers drop off and the new step in.

The Sportsmen's Exposition will not be a commonplace affair. The strong list of exhibitors certainly is a guarantee that success is sure to crown the efforts of the promoters of the enterprise.

"Hop's" Corner

It's amusing to read in the papers of a proprietor of a hotel objecting to the presence of "Drummers" when the better part of his patronage comes from country merchants, brought there by the good words of endorsement used by the very men whose presence in large numbers this specimen of ingratitude objects to.

It's another case of "kicking over the ladder" by which he mounted, only he's kicking it over before he's half way up, and the boys may grease the remaining rounds.

One cannot imagine the old Metropolitan or Earle's Hotel, or the original Grand Central putting on any "lugs" of this kind; and yet I've seen hundred of drummers nightly throng the corridors and lobbies of these several hotels, amusing their guests and frequently dining with them, spending good money at the several bars—and when "the boys" didn't get princely salaries either — leaving their cards by the score to be sent up to rooms of their guests, and all of these industrious workers were treated with respect and consideration by the proprietor and his minions, knowing it was to their efforts a good portion of his fame as a boniface was due.

Why, it used to be a part of a day's regular routine, for the salesmen of the hundreds of jobbing houses, now so few in the city, to stop in the hotels on their way home, commencing usually with the Merchant's and the Western in Cortlandt street, then the Astor and Earle's, finishing up on the others above mentioned. They saw who were in town, and got their plans of campaign ready to bring their guns to bear on the heavy buyers, who later thronged the various stores; and we enjoyed doing all this, even if it proved hard work, which it undoubtedly was.

Death of John P. Rogers.

John Prentice Rogers, senior member of the firm of John P. Rogers & Co., commission merchants, Boston, died at his home, No. 246 Newbury street, on March 13th. Mr. Rogers was one of Boston's oldest Hardware merchants, and one of the first in the Hardware exporting trade of that city. He was born in Plymouth, N. H., in 1820. In 1848 he went to Boston and opened a Hardware store, and from then till 1863 was engaged in the general Hardware business. In that year the house, of which he was senior partner at the time of his death, was formed. He was married fifty years ago to Miss Maria Woodman of Plymouth, N. H. Four children survive him. His sons are Harry A. Rogers, of Rogers, Newman & Tolman, bankers, and William S. Rogers, a lawyer.

It is said that steel is the strongest metal used in the manufacture of furnaces or heaters for hot-water systems. It has the strength to resist shock from any cause, is light and durable, and not liable to crack from the ordinary changes of temperature to which heating apparatus in a private house is subjected.

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He Dwells Upon Details.

The voice from the Corner Desk of the W. Bingham Co., Cleveland, is heard this month in the following strain:

It would seem that the reconstruction of methods that is taking place in the Hardware trade will call for a greater attention to detail, and to a closer watch of the odds and ends of business. Goods are bought in smaller quantities and oftener, necessitating a closer watch upon stocks and a greater amount of clerical work in caring for accounts, increased correspondence, and a general multiplication of the small things that make up the drudgery of mercantile affairs. The objection that I can see to such a state of things is the increased amount of labor and the withdrawal of attention from the more productive features of business, but there are some compensating advantages. Business will be done on a safer basis, with fewer overstocks, and with less seasonable goods carried over, and in course of time stores will be cleaner of dead stock; then the two per cent. cash discount will be more generally taken, since the investment in stock is reduced and bills are smaller and more easily met. Again, there is a greater likelihood that superfluities will be lopped off—outgrown methods, or lines of goods that have been carried merely as a matter of habit after the active demand for them has ceased.

Another advantage in many stores will be the necessity of introducing some system to take care of the increased work, to replace the "by guess and by gosh" methods that too often prevail, for the time is rapidly coming when without close attention to minor details the Hardware merchant will find himself at sea. The man who has not a natural liking for red tape (and who has?) will not relish the introduction of it into his business, but when he gets to working by system and feels the satisfaction of knowing "where he is at" on some points, he will want to try it further, and when he gets where he can point to any detail of his business and know just what any line or department nets him in dollars and cents, just so soon is he in a state of business health. I thoroughly believe in system, and think that if there is any part of his business that is run on a haphazard plan, or that is in the charge of employees, without his oversight, it is the merchant's first duty to get that particular thing under his own particular thumb, so that he knows beyond a shade of doubt just the state of affairs. A business without a system is like a locomotive with the throttle locked wide open and its progress governed only by the amount of steam in the boiler—dangerous to ride behind and pretty sure to come to grief in some measure.

In no place will system be so effective as in your selling. Have you several clerks? Keep account of the gross sales of each and let them know you are making comparisons. Do you allow a variation in prices to different customers? Figure the profits on each salesman's sales—and upon any customer's purchases where you have an idea that his custom is bought at a sacrifice of profit. Do you know the possibilities for business that your field contains, and the part of it you are getting? If the character of your trade permits, go over the ground carefully and keep tab of who buys and who does not, and make a systematic effort to gain the trade you are losing. Look over your ledgers occasionally, and you will find the names of customers whose purchases have ceased, and perhaps whom you hadn't missed. Spend a rainy day in looking over your old records, uncollected accounts, stock sheets and other data of business past and you will get valuable hints for the future. Some one says that in every to-day is contained yesterday and to-morrow; that the hopes for to-morrow fire the present action and the experiences of yesterday form its guide; and it is system that gives the hope for to-morrow definite shape by showing where the present falls short of what can be done and records the experiences of yesterday for comparison and direction to-day.

H. A. Lozier & Co.'s New Factory.

Ohio pluck and industry seem proverbial. Scarcely a month ago the blackened ruins were the only marks of where the immense bicycle factory of H. A. Lozier & Co., Toledo, Ohio, once stood. To-day a larger and better equipped building marks the site. It seems to have sprung up like a mushroom, in single night. An account of the difficulties met and overcome in the construction of the new factory would make a long story. Sufficient to say that by tireless energy and by the offer of exceptional wages Mr. Lozier was able to accomplish this wonder in the building line. The main buildings of the Lozier factory are 600x40; 60 x 30 and 40 x 30 feet. Six hundred men are now employed, and the works are running day and night. The capacity of the new factory is 100 wheels a day. The dynamos used to run the big engines are said to be the largest in the United States.

The New 25-20 Marlin Cartridges.

The 25-20 Marlin Cartridge which is a recent addition to the repeating rifle cartridges, is now being brought out by the U. M. C. Co., loaded with smokeless powders. The result is that the velocity has been increased about 125 feet per second. The bullet will, of course, hold up better at longer range, for a cartridge loaded with nitro powder will shoot about six inches higher at 100 yards than a cartridge loaded with black powder. At 200 yards nitro powder cartridges will shoot about twelve inches higher than the black. The accuracy of this cartridge loaded with smokeless powder is called wonderful. At 100 yards ten shots have been grouped in a circle two inches in diameter; at 200 yards ten shots have been grouped in a four-inch circle. These cartridges will be ready for the trade shortly, and we are sure will prove very popular.

A valued correspondent, who is very well known in the manufacturing world, writes HARDWARE in the following pessimistic strain: "We do not know that we want any more business at the ruling starvation prices, that have been brought about by unnecessary cutting by those who happened to carry over small stocks last season. We hope the time will come when manufacturers will stop cutting each other, and be content with a little less business, and when the American public will be willing to pay a living price for staple articles, economizing if necessary on 'notions,' for which they pay exorbitant prices, many of which are sold in foreign markets at less than one-half the price charged in the home market."

The National Saw Co., Newark, N. J., are manufacturing for this season's trade large numbers of their Universal Corn Hook, an article which has demonstrated its usefulness by the great demand which it has created. It is strong and serviceable. The blade is painted green, and the hooks are put up in one dozen in paper packages. Their Corn Knives are also timely articles for the attention of the Hardwareman. Among them are the celebrated Acorn, Ajax, Eagle, Clipper, Russell and Usual. The company will be pleased to furnish information as to prices, etc., upon any of these articles, and all inquiries should be addressed to the National Saw Co., Newark, N. J.

C. W. Dunlap & Co., No. 88 Chambers Street, New York, have made the Avery Stamping Co., of Cleveland, Ohio, their Western agents. They will carry a full line of the garden tools, housekeeping Hardware, etc., manufactured by Dunlap & Co. All orders from trade located in the West should be addressed to the Western agents, and they will be promptly and satisfactorily filled.

HARDWARE costs only One Dollar a year.

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Porter to Partnership.—IX.

When one has something very important on his mind how he dislikes to open up the subject to the party most interested. I had said to myself that the first thing I did in the morning would be to mention to Mr. Ely about Fisher's offer to go into business, but when the morning came I found numberless excuses ready-made to put off the discussion from time to time, till it was evening before I was able to open the subject with him.

"So Fisher thinks of opening a store in Germantown, does he?" said Mr. Ely, when I finished my story.

"Yes, sir."

"Do you think a store would pay there?"

"I did not think so at first, but the more I have looked into the matter the better prospect I see of success."

"Have you any figures?"

"Yes; there are now at the settlement something like one hundred and twenty families in all; there are sixty families of farmers at that end of the county who would find it more convenient to go to Germantown than to come here, and I think their trade could be secured; but with the trade of one hundred and fifty families we ought to sell at least two thousand dollars a month, and at the figure goods are sold here, this would be a gross profit of four hundred dollars a month, or about five thousand a year."

"How much capital do you figure will be necessary?"

"I think four thousand dollars would be stock enough to start with."

"Has Fisher that much loose?"

"He said he would raise whatever was needed."

"Very well; supposing you send word to Fisher to come up here and I will then make you both a proposition."

Fisher came up the next day, and after some preliminary conversation, Mr. Ely came to the business we had on hand.

"Mr. Fisher, Mark tells me you had some notion of opening a store down at Germantown?"

"Yas, das ish so."

"Have you estimated what amount would be necessary to stock up a store like that?"

"Oh, lots of dings, I suppose."

"I mean the amount of money?"

"Monish? Oh, das ish all right; I finds him."

"Mark says it will take four thousand dollars."

"Four tousand! Creat shiminy, ish dat so?"

"It will take fully that; my stock here will inventory eleven thousand, but is very full just now. If you open such a store as you ought to have there, you will need at least five thousand dollars' worth of goods."

"Five tousand? You push him up; pimby you say ten tousand."

"No; I began here with twenty-two hundred dollars, but I could have made more money if I had had a better stock; and competition was nothing to speak of."

I looked at Fisher to see what he was going to say about the capital; I had looked the matter over pretty thoroughly and was satisfied that a store in the settlement with Fisher's influence to back it, would do a good and profitable business.

"You tinks four tousand tollar, eh, Marks?" he asked turning to me.

"Yes, I think that would be enough."

"Four tousand! das ish a pig bile of monish, but I dinks I find him."

My face cleared up.

"Well, Fisher," said Mr. Ely, "I sent for you to make a proposition, but before I make it I would like to know if you could raise eight thousand dollars?"

"Eight tousand! My cootness, I never saw dat mooch monish."

"You couldn't raise that much?"

"I not say dat; maype."

"Very well, then I will make a proposition. My brother-in-law is attorney for the new railroad through this country and tells me it will come through Germantown."

"I know dat," said Fisher.

"You know it, how?"

"I gif dose mens mit de shains two tousand tollars to goom dat way."

"You bribed the surveyors, eh?"

"No, for I not gif dem dat monish dill the roat is goom."

"Well, it seems you know all about it. Of course, with a station there and railroad communication, a store will soon be started by someone if you do not start one."

"No, Pewhy; I own all dat land und will not sell him."

"Well, what I want to say is this: I am ready to sell you and Mark an interest in this store here, and then build a store in Germantown; I will manage the business here, Mark and you can run the Germantown store; we will put all the profits together and divide according to capital."

After some talk both Fisher and myself were glad to agree to go in with Mr. Ely in this way, and this was the beginning of the firm of Ely, Fisher & Rowland. The papers were drawn up, Mr. Ely to have one-half the profits because of his experience and capital, Fisher and I to have one-fourth each, and I to be charged ten per cent. interest for one-fourth of the capital.

My standing in the community immediately seemed to be advanced. As a clerk I was of no particular account, but as a young merchant my advice was of value and my society desirable. It was very flattering to a young fellow, but I was too busy to enjoy it to any great extent. Putting up a store in a new country is not much like erecting one of the handsome buildings one sees in the city. There was no cellar to dig, no bricks to lay except for the chimney. The main timbers were laid on sawed logs set on end, and in thirty days our room was ready to be occupied. Someone had to go to New York again; Mr. Ely could not get away, Fisher was not posted, so the choice fell on me. It was like an old story, and I pushed my business through in one week, and was back at Germantown in time to open the goods and put them on the shelves.

I don't know which was happier, Fisher or I, when we were ready to open up. The next morning we would throw our doors open. That section of the country had been flooded with hand-bills in English and German, and we wondered how much trade would come to us.

"Never you mind, Marks," said Fisher, "if de Yarmans don't pay lifely, I sent 'em pack to old goonthry."

But the Germans bought lively; our spring day was a grand occasion. It was the custom of the country to have free whiskey, and our barrel of that article was pretty well patronized, but our shelves also showed that trade had been good. I dreamt that night that my name was Vanderbilt.

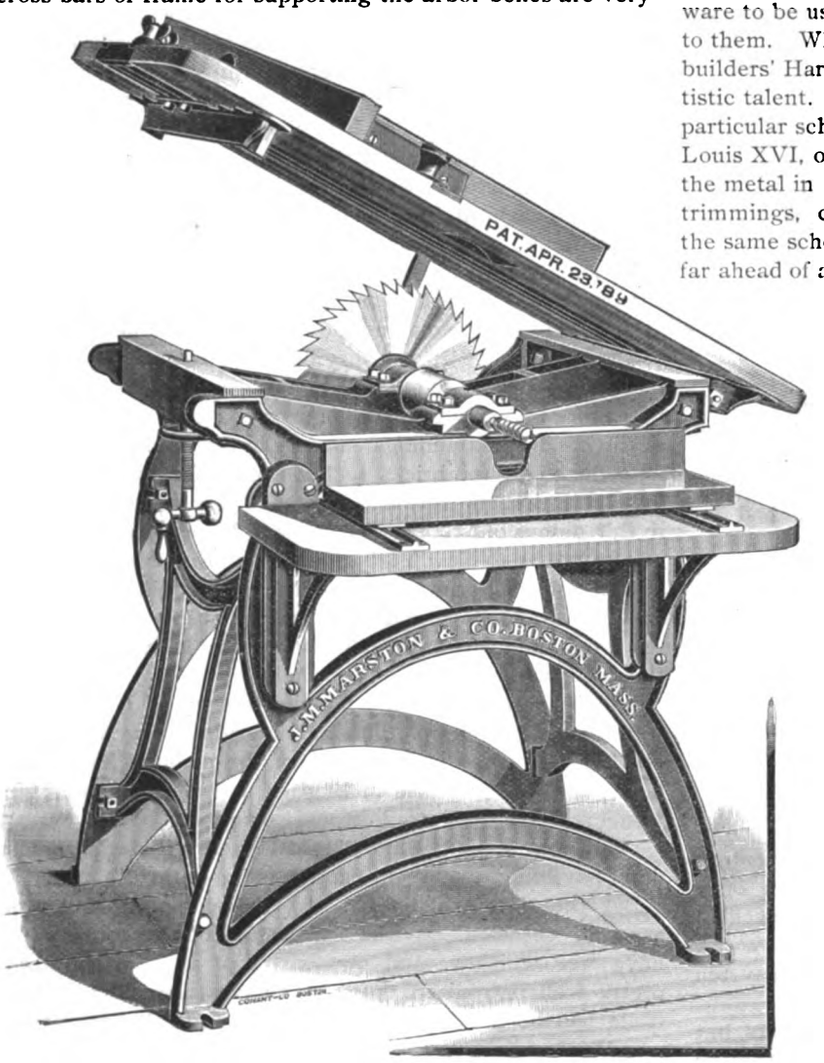
Builders' Exhibit in Buffalo.

At the request of the Buffalo Chapter of Architects and the Builders' Exchange, the Builders' Exchange Association have decided to open a permanent exhibit of builders' supplies and material, and for that purpose have set apart the corner ground floor in their fireproof building. This building is centrally located, and for the past two years has been and is now the building centre of Buffalo. The standing of the Buffalo Builders' Exchange is sufficient guarantee that all who place exhibits will receive fair treatment. It is the intention to open the exhibit about May 1st. The cost of floor or platform space is $5 per square foot per annum; for wall space, $2.50 per square foot. For the purpose of exhibiting models or small articles, a table is provided with shelves or steps one foot wide, where all exhibits can be readily seen; on this table the charge is $10 per square foot per annum; all exhibits to be in charge of a superintendent, under the direction of the board of trustees.

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Marston's Power Circular Saw.

The firm of J. M. Marston & Co., No. 251 Ruggles Street, Boston, Mass., well known as the manufacturers of high grade hand and foot-power machines, have lately added a small Power Circular Saw to their line, which is designed for woodworkers not having a constant use for a large or heavy saw bench, but who have sufficient work for a smaller size which will not occupy too large a space; and the price of which will be low and yet afford an accurate, well made machine, capable of sawing three or four inches in thickness if necessary. The frame is very strong and well braced, and 2 feet 8 inches high. The top measures 28 x 38 inches and has center part of table made of iron in which are planed the grooves for the cutting off gauges, two of which are furnished with each machine. The cross-bars of frame for supporting the arbor boxes are very



strong and rigid. The arbor is one inch in diameter and the caps are strong and securely bolted. The iron top has mouth pieces which can be easily removed for use of Huther Bros.' Adjustable Grooving Saws, for which Messrs. Marston & Co. are agents. Boring table and counter shaft are also furnished when desired. The makers inform us that "the machines already sold are giving the greatest satisfaction, and we know they are the best made saw benches on the market and are sold at a less price than any other."

Builders' Hardware Expert.

The office of builders' Hardware expert is an entirely new one in the Hardware trade, and George J. Wells occupies perhaps the unique position of being the only one of his kind in the United States. There are only six in the rest of the civilized world—three in France, two in England and one in Germany. It may be truthfully said that these gentlemen have a monopoly in their business. In the specifications of nearly any large building, the particular make of Hardware that the owner or architect desires to have used, is named therein. It is the duty of the builders' Hardware expert to see that the contractor follows out the agreement to the letter. Specifications frequently call for solid bronze door trimmings, which include door knobs, hinges, bolts and escutcheons. Sometimes the contractor, being naturally anxious to save what he can, substitutes imitation bronze trimmings, which none but an expert could tell from the solid ones. This is just where the expert steps in, and guards against such fraudulent schemes being carried out. He must also see that the sash weight and cords are of the proper weight and size, and act as a general superintendent. He acts under written authority from the owner or architect, and his word is law. He will sometimes assist in writing the parts of specifications that refer to the Hardware to be used, so that the contractor must rigidly adhere to them. When a fine residence is being constructed, the builders' Hardware expert has a chance to display his artistic talent. The decorations are probably to be of some particular school of design, such as Louis XIII, Louis XIV, Louis XVI, or Empire. It is then his duty to see that all the metal in the room, including door trimmings, window trimmings, chandeliers, radiators, andirons, etc., are of the same school of design. Mr. Wells says that France is far ahead of any other country in the designs used for ornamental Hardware. He has had fourteen years' experience, and finds the business a good one.

Philadelphia Hardware Association.

The eleventh annual meeting of the Philadelphia Hardware Association was held some evenings since at their rooms, No. 1219 Chestnut Street, under the auspices of Aaron I. Sanson, Jr., president. There was a large attendance due to the election of officers for the ensuing year, and other special business, among which was the endeavor to devise some means to prevent stealing from stores by the use of bogus orders, of which there has been considerable recently, and also to have the retail stores close their places of business during June, July and August every evening at 7 o'clock, or failing in that, at least three evenings a week. There were several new members elected and a large number of applications for membership. The reports of the several committees show the association to be in a growing and prosperous condition. After the regular order of business the election resulted in the choice of the following officesr: President, Joseph H. Darnell; vice-president, James C. Young; secretary, T. B. Hendrickson; treasurer, E. H. Shannon; trustees, Aaron I. Sanson, Jr., L. C. Glading, H. C. Seeger.

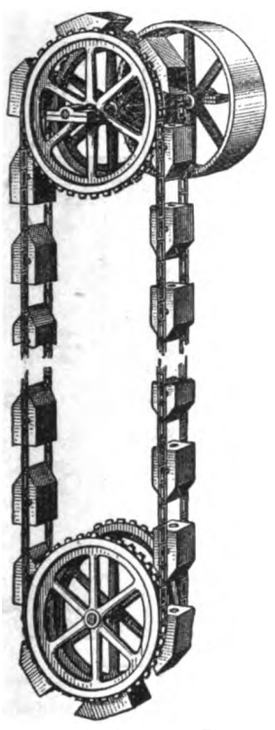
A large blow pipe, in the Standard Axe & Tool Co.'s Works, Ridgway, Pa., was completely demolished by an explosion caused by a current of gas. When the works were stopped at the dinner hour, a stream of gas from one of the fires filled the large blow pipe which supplied blast for the whole shop. When the fan started up the gas was driven back toward the fire and ignited, causing the explosion. No one was injured.

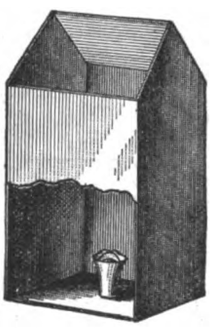
Work in the La Belle Mill Nail Works, Wheeling, W. Va., appears to be increasing. Last week the company received a large order and trade appears to be improving very much. Work on the new tin-plate mill is progressing very rapidly and in about one month it will be in working order.

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New Perfection Irrigating Pump.

The St. Joseph Pump Co., St. Joseph, Mo., have had great success in the introduction of their New Perfection Irrigating Pump, which they have manufactured to meet a special demand for an article for irrigating purposes. It is especially adapted for the use of farmers, gardeners, stock and fruit raisers, and can be driven by horse, steam, wind or water power. It can be used in raising water from wells, rivers or canals, and is especially adapted where a large volume of water is required, and made with a capacity of from fifty to fifteen hundred gallons per minute. Its construction is clearly shown in the accompanying illustrations. In detailed description, the manufacturers say: "It is made of galvanized iron and folded together by double locked seam and having a ball valve or air vacuum in bottom which allows the air to escape as the cup fills with water, thus overcoming all air resistance. As the cup passes over to empty, the valve or ball drops into a basket which admits the air pressure to force the water causing it to empty rapidly. It has been thoroughly demonstrated that air resistance in a large volume of water is almost equal to





the weight of the water itself, and our machine saves almost one-half in power and machinery. Thus, practically speaking, with our pump all that has to be overcome in the way of resistance is the actual weight of water, which feature no other Irrigating Pump on the market possesses. We furnish when ordered, the pump exactly as represented in the accompanying illustration including top gearing, babited boxes, sprocket wheels and driving pulley keyed on to shafting. Chain and buckets and lower sprocket idlers keyed in position. The frame for machine to rest on can be constructed after the plan of a common grindstone frame, which must be built by the purchaser to suit the lay of ground. When heights of lifts are not given our quotation will be based on a twenty-foot raise to top of ground. In ordering, when they are to be used in wells, state the size and diameter of same, and state the amount of water you wish to raise, as it is necessary to make them especially for this purpose. We can fill any order promptly within a reasonable time. We carry in stock everything pertaining to this pump." They give sizes, prices, etc., as follows:

No. Gallons, per minute	80	120	160	200	240	280	320	360	400	500	600	800	1000	1500
No. Revolutions, "	37	37	37	40	40	40	38	36	36	38	34	34	34	30
Size Sprocket Wheel, inches	16	16	16	18	18	20	24	24	24	24	30	34	35	36
Horse Power, Horse	1	1	1	2	2	2	2½	3	3	4	4	5	6	10
Engine Power, Horse	1	1	1	2	2	2	2	2	2	3	3	4	5	8
Diameter Drive Pulley, inches	16	16	16	18	18	20	20	30	30	30	30	34	36	36
Travel, per minute, feet	200	200	200	200	200	200	200	235	235	235	235	235	235	235
Size of Chain	45	52	52	77	77	83	83	83	83	93	93	108	108	122
Capacity of Bucket, gallons	½	¼	1	1¼	1½	1¾	2	2¼	2½	3	3¾	5	6	8
No. acres will irrigate	5 to 8	6-8	10-20	12-25	15-30	25-40	30-40	40-60	50-80	75-100	100-125	150-200	200-250	300-500
List Price, 20-foot Lift	$83.00	$98.00	$105.00	$112.50	$120.00	$127.50	$135.00	$142.00	$155.00	$187.50	$225.00	$300.00	$400.00	$600.00
Price, each additional foot in depth	3.00	3.40	3.75	4.15	4.50	4.90	5.62	6.00	6.75	7.50	8.50	10.50	13.50	15.00

Write for terms and discounts. Liberal discount to the trade.

What the "Sure-Grip" is.

The Fulton Iron & Engine Works, Detroit, Mich., have made a great success with their Sure-Grip Steel Tackle Block, an illustration of which may be seen upon page 12 of this issue. They describe it as "absolutely reliable," and positive and certain in its action; "will hold load at any point without fastening the rope; the heavier the load the better the grip." In further description they say: "It is an invention resulting from a necessity long felt in our own shops for a machine in which rope is used to raise and lower quickly, and in which the height of hoist is not limited nor the efficiency of brake in the least questionable. Repeated tests and constant use have disclosed the valuable labor-saving qualities of our Sure-Grip block, and it is placed upon the market with the conviction that many others like ourselves cannot afford to be without it. Never gets out of order. The brake is simply a wedge that drops by gravity between the upper shieves, and is absolutely automatic in its action. The face of wedge is fluted in such a manner that the rope is not worn more than by an ordinary block. Can be worked at any angle. There is no back slip which greatly reduces the effort of lifting. It can be operated from any position. Accidents are avoided by the use of the Sure-Grip. The age of steel is here. This block is made of steel, the lightest and most durable of all materials obtainable for this purpose. They are universally admitted to be the greatest improvement ever made in tackle blocks. Half the cost of handling can easily be saved when these blocks are used in connection with an overhead track, for chucking work in machine shops, for handling bales of cotton, and other warehouse merchandise. They are the best and cheapest, because the same amount of money invested in ordinary tackle blocks will not begin to give the same amount of service. Original cost is really of no account when you stop to think that many loads are raised and lowered during a year, and if even a small saving is made each time the block soon pays for itself, and remember, the price of the Sure-Grip is practically nothing over the ordinary tackle block of the same quality. It is destined to grow more and more into favor because severe tests and practical use have shown it to be superior to all others." Prices, a table of tests, etc., will be sent upon application.

A Priceless Elephant's Tusk.

In the showroom of the factory of Jos. Rodgers & Sons, Sheffield, England, is a huge but perfect specimen of an elephant's tusk purchased more than a century ago, and used to advertise the quality of the ivory used in manufacturing the handles of Rodgers' knives. The price originally paid for the tusk was close upon $2000. Should anyone take the trouble to compute the compound interest on the cost of the tusk, it would be found that the tusk to-day represents a princely fortune.

Two men called at L. H. Kurtz's Hardware store on West Walnut Street, Des Moines, Iowa, some days ago, and finding Mr. Kurtz alone, one of them, upon a plea of examining a stove, went with him to the rear of the room, leaving the other standing near the door. Mr. Kurtz was detained with his supposed customer about five minutes, but did not effect a sale. After the men had gone it was discovered that a show case containing valuable cutlery had been robbed.

Ex-Postmaster Yerdon proposes to establish a tin pail factory, which will give employment to a large number of men, at Fort Plain, N. Y. A pail will be turned out complete in two minutes by the use of improved machinery.

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No. 78 Deep Throat Power Press.

Up to a comparatively recent period the use of Deep Throat Punches was almost entirely limited to the punching and shearing required in bridge, railroad and structural iron work, which does not often call for the accuracy and adjustments needed in working blanking, perforating or forming dies on thin sheet metals. Within the last few years, however, much of what had previously been done by hand in the production of stoves, wrought iron ranges, zinc work, etc,, has been brought within the range of die operations, calling for a press which combines a deep throat with the necessary accuracy and adjustments.

The Bliss No. 78 Press (Fig. 1) shown herewith, made by the E. W. Bliss Co., Brooklyn, N. Y., is designed for this purpose. Its punch slide is guided and gibbed so as to secure accurate cutting, and is provided with an eccentric adjustment permitting to regulate with precision and ease the exact point to which the punch is to descend. The exact nature of this eccentric adjustment is shown in the second cut herewith (Fig. 2); it can be brought into any needed position by simply turning the pinion wrench shown after having loosened the clamp bolt. The pressure is in this manner always taken on solid metal instead of falling on screw threads. The action of the press is controlled by means of a treadle which operates an automatic clutch so as to insure the stopping of the slide at the highest point of the stroke. This machine is mostly made as a fly-wheel press, but for work requiring a slower and more powerful action it is provided with back gearing. It is also frequently furnished with stay rods so as to fit it for heavier work where a great depth of throat is not needed.

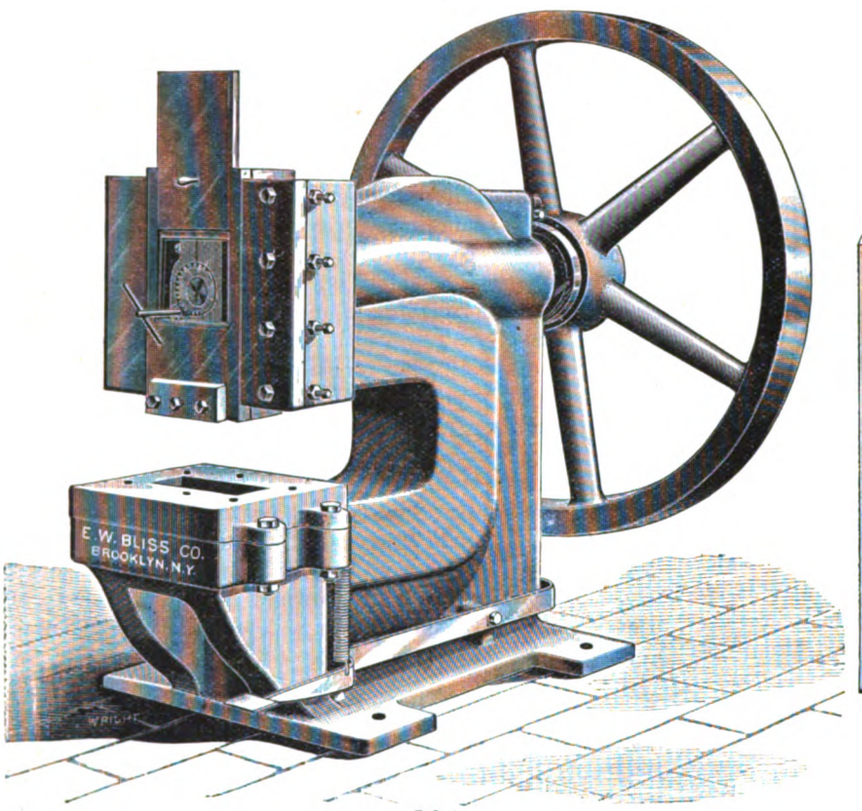


FIG. 1.

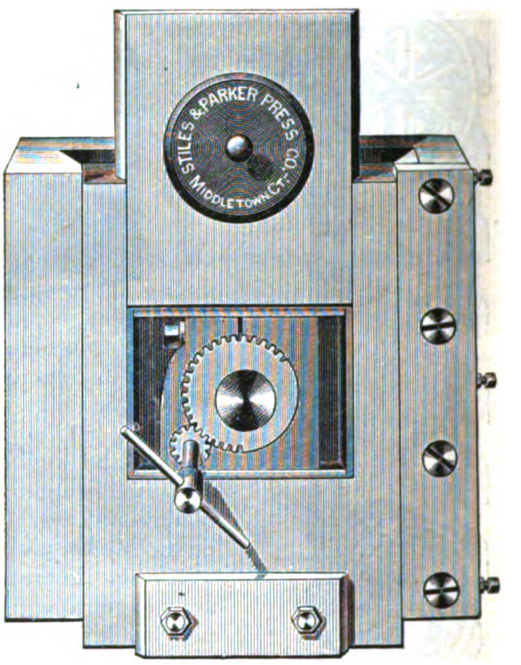


FIG. 2.

The principal dimensions are as follows:

Depth of throat	24 inches.
Distance from bed to top of throat	9¼ "
Motion of slide	1¼ "
Size of bed	16x16 "
Standard opening in bed	8½x8½ "
Diameter and face of fly-wheel	34x5 "
Weight of fly-wheel	900 pounds.
Speed " " "	90 revolutions.
The complete weight of press, approximately	5500 pounds.

Proper Lubricant for Cycle Chains.

It is conceded by all wheelmen that some lubricant is needed to prevent wear of chain and sprocket wheel; such a lubricant not only prevents wear but very largely increases speed and ease of driving. "Oil or grease, while useful for the moment, catches and holds dust and dirt. After much experimenting it has been found that graphite makes the most perfect lubricant, when the right kind is used and properly prepared. The word graphite, like the word charity, covers a multitude of sins. Under the name of graphite lubricant are found compounds of cheap blacklead, stove polish, foundry facings, soapstone, etc. Safety in buying, and the surety of getting the best graphite lubricant made, lie in purchasing of a firm of world-wide reputation and long experience. Such a firm is the Joseph Dixon Crucible Co., of Jersey City, N. J. They have mined and manipulated graphite for nearly seventy years, and when called upon by leading wheelmen to furnish a cycle lubricant that would meet the fullest requirements of the cycler, they first purchased samples of all the chain lubricants in the market and analyzed them, and then selected from their choicest stocks of graphite a brand of graphite of unequalled smoothness, and produced a stick, or solid lubricant, which will not gum or hold dirt and dust, but which will so thoroughly lubricate the chain and sprockets that the wear will be reduced to the slightest degree, and ease of riding and speed greatly increased."

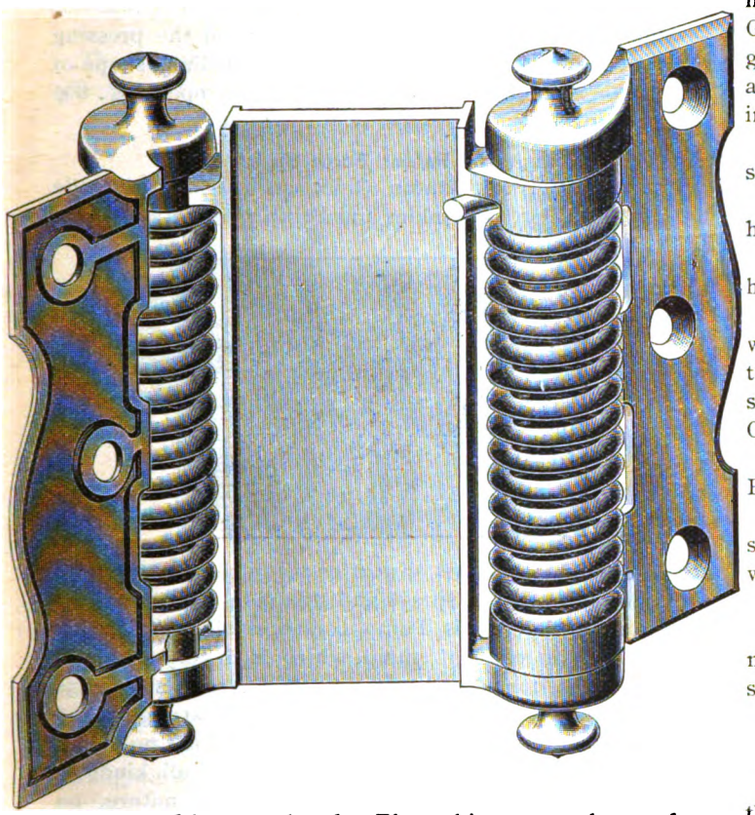
It is learned by the Bureau of the American Republics that the Congress of the State of Nuevo-Leon, Mexico, has recently passed a law exempting from every tax all industrial enterprises locating in that State within the next two years having a capital exceeding $1000. This exemption is to last for six years, dating from the time when the above named capital shall be deposited.

F. I. Everett, who formerly represented the Huntington-Hopkins Co. in San Francisco, has engaged in the service of the Hibbard, Spencer, Bartlett Co., Chicago, and will represent them upon the road. In this case a good man and a good company have come together for their mutual benefit.

HARDWARE, published semi-monthly, with its first number of the year, January 10th, appeared in a new dress and new arrangement of make-up. The publication has entered upon its tenth volume, and has every appearance of being one of the *real* trade journals.—*The Trade Press.*

Columbia Double-Acting Spring Hinge.

The Van Wagoner & Williams Hardware Co., Cleveland, Ohio, and No. 14 Warren Street, New York, have introduced the Columbia Spring Hinge for screen doors, illustration of which is here shown. It is made of cast iron, in but one size, 3-inch, and is finished in japan mottled old copper and bronze-plated. These hinges can be used on either left or right hand doors as they are reversable. The steel wire coil springs are finished to correspond with the rest of the hinge. The hinges are neatly packed, four pairs in a box, and twenty-four pairs in a case, with the tension of the springs adjusted.



A New Version of the Hatchet.

Considerably over a century ago, there lived in Northern Virginia, not far from Washington, one Brown, who kept a general store, in which there was a small line of what would now be styled heavy Hardware.

As everything had to be imported in those days, and prices were high, there was no demand for ice cream freezers or egg beaters, and novelties or luxuries were unknown.

One lazy afternoon Brown was sitting in his store alone, meditating somewhat over the coming crops, the prospects of the trade for the season, and almost asleep, when he was awakened from his reverie by the happy shouts of a small boy, handsome and well dressed, who accosted him.

"Hulloa, Mr. Brown."

"Good afternoon, George," responded Brown, as he adjusted his single suspender; "What's the news over to the place?"

"Nothing much," replied George, "only everyone is busy and father said I could cut some wood for him, and so I come over to get a hatchet; have you any good ones?"

Brown quickly brought out half a dozen and George selected with assumed carefulness the last one, and said, "Mr. Brown, father will pay me for my work, and I will settle with you when he does."

"Give me half of what you get," said Brown, "bring back the hatchet and I will call it square."

"All right," was the response, and both sides seemed pleased with the bargain.

George then started for home blazing his way as he went. Taking his aim at a bush on the wayside he hit the garden wall, which being of stone, repelled the audacity of its assailant by placing two large gaps in the weapon. This made George careful, but as he reached home he saw his father's cherry tree and he belabored that to its ruin.

Sleeping all night with an easy conscience, he awoke the next morning to find his father in the hall awaiting him. George immediately divined a calamity, as he rapidly glanced at the bulging eyes and red face of his parent, who also had substituted a rod of birch that particular morning in place of his usual walking stick.

"George, who cut down that cherry tree?" asked the stern parent.

George was in a quandary. He needed a full hand, but he had only one small card, and he played it.

"I cannot tell a lie, father, I did it with my little hatchet."

"That's a good boy, my son, never tell a lie; I shall not whip you for telling the truth, but it was very wrong of you to cut the tree and I shall have to punish you for that," and suiting the action to the word, he applied the birch to George's back in good shape.

George was angry, but took the hatchet, trudged over to Brown's and said to him, "Here's your old meat axe."

"A nice looking affair you have made out of it; did you saw the wood after you had cut it? Well, give me half of what your father gave you," ejaculated Brown.

"Half of it!" shouted little Georgie, "I'll give you all."

And he swatted the portly Brown in the left eye and made a masterly retreat, beside which that of Long Island some years later was nowhere.

A New Idea in Paste.

Thomas' Snow Flake Paste in collapsible tubes is something new, and seems destined to make this paste popular and largely sought after, It is described as "a great convenience and there is no danger of it drying up." These tubes are packed one dozen in a handsome enamel paper box ready for the counter. The tubes are attractively labeled in white, red and gold. Of the paste itself little need be said, it merits being known by the trade. "For tissue paper work, scrap books, etc., the tube is invaluable, a slight pressure on the bottom being all that is necessary to force the paste to the opening in small or large quantities."



John J. Nealon, No. 71 Howard Street, is the selling agent. Mr. Nealon, in addition to the above, carries a large line of notions and small wares suitable to the Hardware trade. The stock of blacking brushes is one of the most complete on the market, ranging in price from $6 to $36 per gross net. Being manufacturers' agent, he is in position to fill orders with promptness and despatch and at exceptionally low prices.

China is patronizing America very largely for arms and ammunition. The Winchester Repeating Arms Co. are said to be sending that country a monthly consignment of 2,000,000 rounds of ammunition, and have also furnished 20,000 stand of arms.

NEW GOODS IN THE MARKET

If you have anything NEW, let the world know it by illustrating it in these columns.

NO CHARGE WHATEVER is made, direct or indirect, as our interest lies in showing the readers of "HARDWARE" where the LIVE manufacturers and wholesalers are, and what they are doing.

When your NOVELTY or SPECIALTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

The Hardwaremen everywhere read this department; it is to your interest to make prompt use of it.

Milling, Planing and Drilling Machine Vise.

The Massey Vise Co., Nos. 35 and 37 South Canal Street, Chicago, Ill., are putting on the market the Milling, Planing

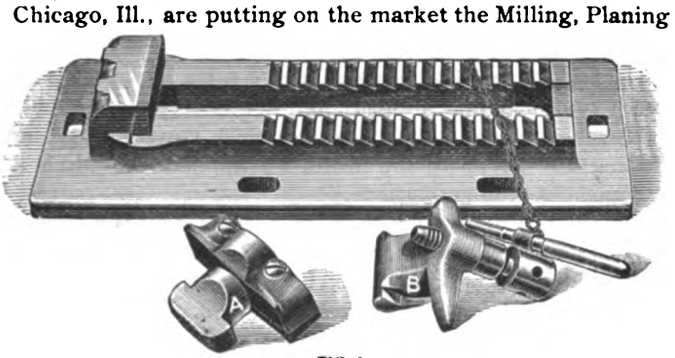


FIG. 1.

and Drilling Machine Vise, illustrated here. A, Fig. 1 is a loose, and B a grip plate. The jaw A is free to slide forward and backward on the longitudinal slot in the vise, as is also the grip-plate when inclined slightly forward, thereby disengaging the two teeth from those on the body of the vise. Fig. 2 shows a section of a part of the vise, showing that the rear faces of the steel jaw-plates C C are inclined, thus causing them it is stated, when an article is

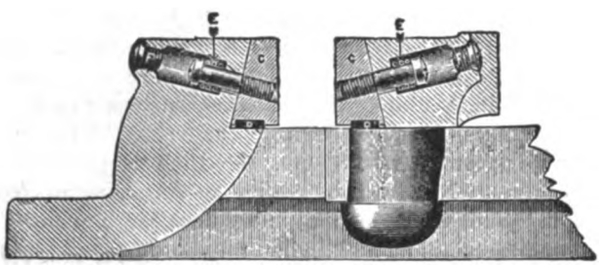


FIG. 2.

gripped in the vise, to slip downward for a short distance, carrying with them the object held. The pin-holes in the jaw are slotted to allow this motion. It is explained that the jaw-plates are raised again when the article held is released by springs operating in the recesses D D, as indicated at the bottom of each plate. The small cap screws are intended to keep water and dirt from entering the pin-holes. In Fig. 3 the appearance of the parts is shown when

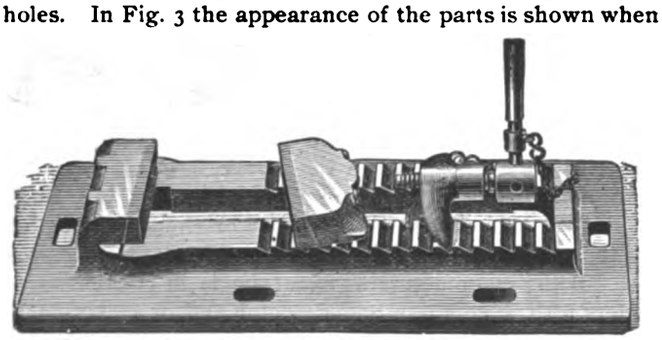


FIG. 3.

in position to hold taper work. In operation, the work is placed in the jaws, the loose jaw and grip-plate is moved up to it and the screw in the grip-plate is tightened against the loose jaw. The makers explain that the work will then be securely held and that at the same time it will be pushed down firmly and uniformly upon the surface of the vise, making it unnecessary to hammer the work down. The manufacturers claim that this vise embodies three features —quick and firm chucking swivel jaw, and the pressing down of the work on the bed plate by the inclined shape of the jaws. The vise comes in three sizes, to open 6¼, 8¼ and 10¼ inches.

Improved Patent Force Sprinkler.

The Star Mfg. Co., Canton, Ohio, are offering the trade an Improved Force Sprinkler and Pump as illustrated here-



with. Four attachments or nozzles accompany each pump providing for different sprays and streams. The manufacturers state that "this Pump combines all the features necessary to an efficient pump, which is a very essential feature to be considered. It throws a strong stream 50 feet or more. For washing windows or carriages, and showering lawns, gardens and greenhouses it has no equal. It is adapted to throwing liquid solutions of all kinds to destroy noxious insects and bugs of every nature, on plants, vines and trees. Should be kept in every house, store and factory in the country, as a protection against fires."

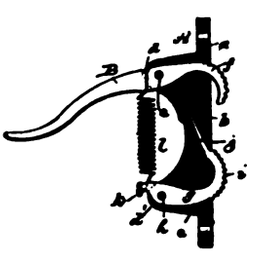
Professional and Sporting Scale.

The Gilfillan Scale & Hardware Co., No. 725 Old Colony Building, Chicago, Ill., are marketing the Professional and Sporting Scale, full-size illustration of which appears here. This scale has a weighing capacity of 10 pounds by ¼-pounds, and is so small that it can be easily carried in the pocket. Fishermen could use such an article frequently to establish the veracity of their statements. A 20-pound scale is also made. These scales are made of brass, highly finished in nickel.



The Clough Sash Holder.

The illustration shown here represents a Sash Holder manufactured by Joseph Clough and put on the market by the Sawyer Hardware & Supply Co., Pawtucket, R. I. The Holder is of iron, 4⅜ inches



long. It is intended to be mortised into the sash from the outside so that the cams press against the window frame. By raising the handle, which projects through the window frame into the room, the pressure exerted by the cams is released, and allows the sash to be raised or lowered. The maker states that but little time is required to put the

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Holder into the sash, there being no plates to fasten to the frame. The device holds the sash at any point, and "the greater the force exerted to raise or lower the sash, the harder the cams will press into the window frame." The Holder can be used on either upper or lower sash, and may be used with or without weights.

Enterprise Raisin Seeder.

The Enterprise Mfg. Co. of Pa., Philadelphia, Pa., are offering to the trade a labor-saving device in the Enterprise



Raisin Seeder. It is stated that this seeder is simple, easily adjusted, does the work rapidly and effectually, seeding raisins wet or dry, better work being obtained if wet. The ordinary washing given by every good housekeeper makes the raisins sufficiently wet. Seeding raisins is very tedious work, but by the use of this Seeder, a pound can be seeded in less than five minutes, and with the hotel size still more rapidly. The raisins after washing are fed into the hopper, the revolving of the crank forcing the raisins to drop into a receptacle, while the seeds are discharged through a spout.

The Perfect Flower Support.

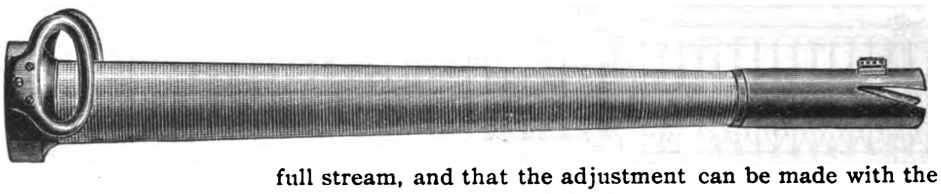
The Worcester Wire Co., Worcester, Mass., are putting on the market a Flower Support. The manufacturers state that the support is cheap and indestructible and will last for years. It is adjustable to different heights and is quickly placed in position and makes strings unnecessary. "Their use renders culture and spraying easier, tends to make the plants more floriferous and of symmetrical growth, prevents matting, that serious drawback to successful plant development, are insect proof, and when adjusted, give the plant a neat, tidy appearance and allow free circulation of light and air, thus tending to prevent plant rust.



Improved results in growth and blossom are certain from the use of these supports. They are made of galvanized wire and will not rust or break, and require but little room for storage when not in use. Their form of construction allows of a firm support in the soil, the small ring, five inches from base of standard, makes a foot piece to rest on top of the soil, keeping the support straight when in position. The holding or plant supporting rings are adjustable up and down the standard and can be opened to adjust around the stocks in preference to slipping over the tops of the plants. This is a valuable feature when it becomes necessary to set supports after the tops have grown large."

Neumeyer Nozzles.

H. F. Neumeyer, Macungie, Pa., is offering the trade two new nozzles. "The spray nozzle has a small tube passing through its center, through which the water is forced. The outer end of the tube has a long bevel which is covered by a hinged plate, held in place against the tube by a spring, regulated by the set screw outside the nozzle. The set screw can be adjusted, it is stated, so that the nozzle will throw from the finest mist to any density of spray or to a



full stream, and that the adjustment can be made with the thumb and forefinger of the hand holding the nozzle. A fan-shaped spray is the one designed to be used regularly, and it is stated that when the nozzle is used to spray decoctions, it will not clog, as the plate covering the end of the tube will give automatically to let any lumps pass, and will again resume its normal position. The nozzle can be used



successfully as a lawn sprinkler and is exceedingly well adapted for washing wagons, windows, etc.; is made of brass, nickel-plated. The fire nozzle is constructed on the same principle, and throws a spray fan-shape or a 1-inch solid stream. The nozzle is made all of brass, rope wound and painted."

The Nichols Tap and Reamer Wrench.

The J. M. Carpenter Tap & Die Co., Pawtucket, R. I., are putting on the market a new Tap and Reamer Wrench. In Fig. 2 the knurled sleeve being broken away shows a right-hand thread on the outside of the neck of the stock and a left-hand thread on the handle. It is stated that the two threads are embraced by the corresponding interior threads of the sleeve, a right-hand turn of the sleeve closing the jaws and a left-hand turn opening them; the handle

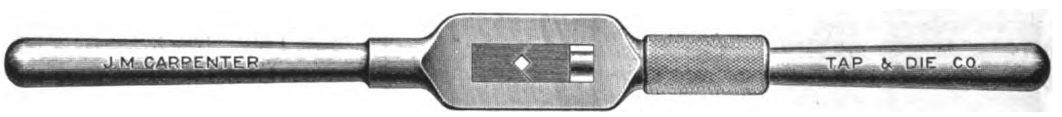
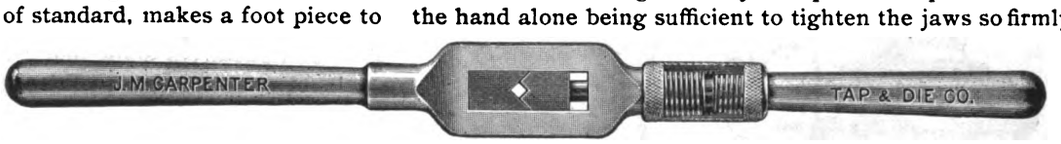


FIG. 1.

moving in and out without any rotary motion avoiding all tendency to unscrew while at work. It is further explained that the large diameters on which the threads are enabled to be cut by this design, allow of using threads coarse enough to produce quick movements of the jaw, while the angle of the threads is so small that sufficient power is obtained by the hand alone to get a strong enough grip to prevent all loosening while at work; that no pin, wire or other implement is needed to tighten its jaws upon the tap or reamer, the hand alone being sufficient to tighten the jaws so firmly



F G. 2.

that there is no loosening of its grip while tapping or reaming. This Wrench is of the best workmanship throughout, has hardened steel jaws, all the parts are made interchangeable, while the weakest point in similar wrenches is in this one greatly strengthened by the knurled sleeve. They are made in five sizes, taking taps from 0 to 1¼ inches diameter.

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Ideal Lawn Fence.

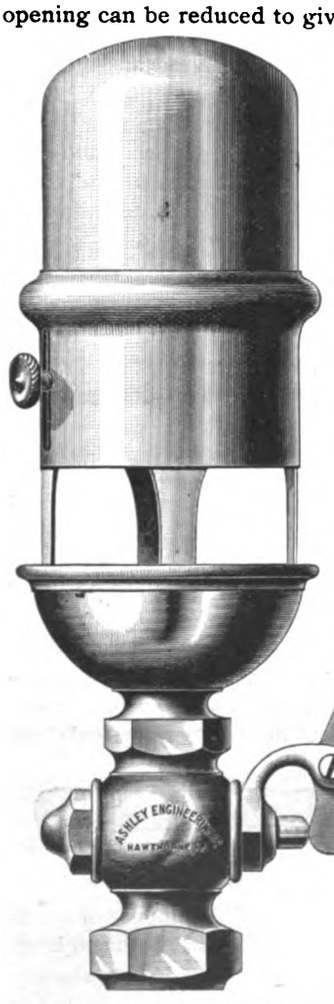
Ellis & Helfenberger, Indianapolis, Ind., are offering the trade the Ideal Lawn Fence. The fence is described as follows: "The picket is about one-fourth inch in diameter and of heavy twisted galvanized steel wire that will not rust, and close enough to turn small animals. The posts are of tubular steel and have a heavy spread base of cast iron to prevent their being lifted by the frost. The line



post is double and the picket passes through the center which brings the rail and picket in exact line and the fence appears the same on both sides. The corner, end and gate posts are provided with malleable ratchets by which each horizontal wire is tightened, and the fence graded to suit the ground. The rail is tubular steel 1⅜ inch in diameter and very stiff. It is continuous the entire length of each section of fence, and being firmly keyed to each post forms a perfect brace. The fence presents an attractive appearance and does not obscure the lawn."

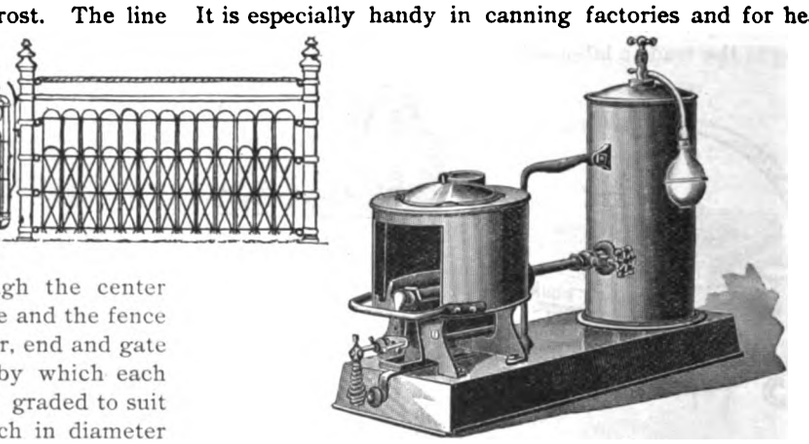
Draw Bell Steam Whistle.

The Ashley Engineering Co., No. 136 Liberty Street, New York, are marketing a new steam whistle, in which the usual central stem which supports the bell is done away with, and the bell made to support itself, which it is said "does much better and more reliably than is usually done by the stem. The bell in this case is drawn out of sheet metal, openings formed in the lower part as shown, which opening can be reduced to give the desired tone by moving up or down an outer shell, which is held in place by the small screw shown, which passes through a slot in the outer shell and is tapped into a part of the bell, which is thickened for that purpose by soldering a piece to the inside of it. For high-pressure steam, such as is usually used in locomotives the outer shell is not required. The valve, shown, is separate from the whistle, the two being joined by a thread, which gives the advantage that the whistle can be used in connection with any kind of a valve desired, or may be screwed directly into the end of a pipe. These whistles are made in various sizes up to six inches."



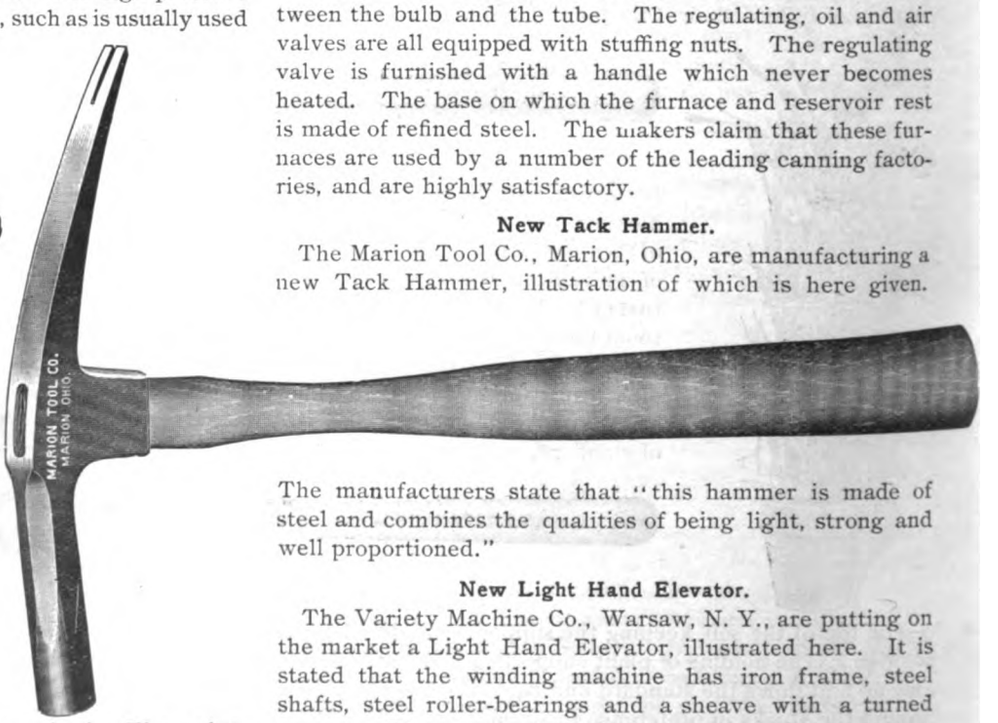
Canners' and Tinners' Furnace.

The Burgess Soldering Furnace Co., Columbus, Ohio, are offering the trade a new Combination Furnace, Gem No. 8. It is especially handy in canning factories and for heavy work. The aperture in the hood of furnace is large enough to accommodate two 3-inch capping irons, and can be made to accommodate one or more tinners' soldering coppers by removing the top cover. The plate on which the coppers rest is made of cast iron deflected with projections which form flues for conducting the heat under the same. The sides are also furnished with fine plates, which protect the bolts and conduct the heat from the front to the rear of the hood. The slotted burner is cylindrical and made of heavy cast iron, and shaped in such a manner that the solder cannot fall into the perforations. The heat is distributed the entire length of the iron, and the burner being recessed in front and rear, makes it durable. It is also provided with a sliding drip cup, the knob of which never heats. The plate on which the coppers rest is very close to the workman's bench, a great advantage to which attention is called. The reservoir shown is fireproof and pneumatic and cannot be filled while the burner is lighted, thus insuring safety. It is constructed of IXXXX tinned steel or copper, and holds two gallons of gasoline, a quantity which will last for several days. The rubber bulb used on this furnace is made of heavy black rubber, the valves of which are situated between the bulb and the tube. The regulating, oil and air valves are all equipped with stuffing nuts. The regulating valve is furnished with a handle which never becomes heated. The base on which the furnace and reservoir rest is made of refined steel. The makers claim that these furnaces are used by a number of the leading canning factories, and are highly satisfactory.



New Tack Hammer.

The Marion Tool Co., Marion, Ohio, are manufacturing a new Tack Hammer, illustration of which is here given.



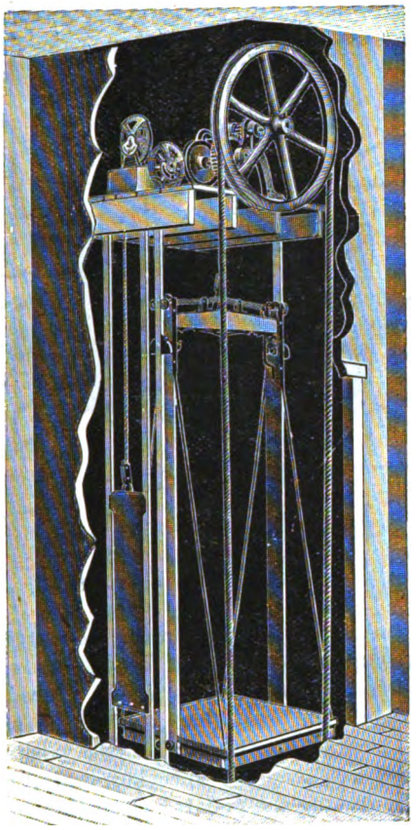
The manufacturers state that "this hammer is made of steel and combines the qualities of being light, strong and well proportioned."

New Light Hand Elevator.

The Variety Machine Co., Warsaw, N. Y., are putting on the market a Light Hand Elevator, illustrated here. It is stated that the winding machine has iron frame, steel shafts, steel roller-bearings and a sheave with a turned groove. The gears are made from accurate iron patterns, while gears, sheave and rope-wheel are all keyed to their shafts, and with set-screws on keys, and furnished with

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automatic clutch. The car is made of hard wood, regular freight elevator style, 6 feet high under beam, put together with bolts; fitted with automatic safety device, "3 roller" guides at top and bottom and both sides, with a steel clevis for the beam; finished in natural wood. The manufacturers claim that the automatic clutch will hold the load



or the counter weight, that neither can run down except when the operator pulls the hand rope, and that the parts are made of steel and bronze castings, and will never wear out. They further claim that the safety device has been thoroughly tested and never failed to stop the car instantly. The winding machine can be bolted to the ceiling or can be set on top of the joists. It is further stated that the elevator is quick-running and having a lifting capacity of 500 pounds. The elevator weighs, packed ready for shipping, 500 pounds.

T. I. C. Mop Wringer.

The Torrance Iron Co., Troy, N. Y., have lately introduced the Mop Wringer here illustrated. It is a malleable casting that is adapted for fastening to a pail with set



screws. In operation the mop is placed in the slot press and the swinging piece is swung around it. Then by twisting the mop to the right and upward, the water is effectually wrung out. During the operation the pail and wringer are held by placing the foot of the user on the foot piece which accompanies the wringer and which is screwed to the pail at the bottom.

The New Rochester Lamp.

The Rochester Lamp Co., No. 42 Park Place, and No. 37 Barclay Street, New York, are introducing their No. 10 Mammoth Fount. This new lamp, it is stated, "has a screw wick lift, which can be operated from either the top or under side of the fount. It has a chimney lift, by which the lamp can be lighted without removing the chimney; is operated by a lever which never gets hot, and locks itself so that it stays up until the lever is reversed. The insignificant filling button is done away with and a larger feeder cap is used, by which the fount can be filled without the



use of a funnel. The gallery (or top part) is screwed in, and by carrying the perforated metal up close around the wick tube there is no dirt pocket and no possible chance of odors from refuse and wick clippings. The New Rochester Double Over-cone is used, which gives a double circular flame. The old reliable wick lift is used, whereby the draw-bar with sleeve and wick can be taken right out of lamp altogether. This lamp gives a light equal to 400 candle power, and is furnished in brass or nickel, is 10¼ inches high from bottom to top of burner, holds a full gallon of oil and will burn ten to twelve hours."

There has recently been added to the library of the New York Hardware Club a handsome filing case for the preservation of trade papers and other periodicals. It is of mahogany, in keeping with the finish and furniture of the room, is 5 feet in height, 3½ wide and has a depth of 17 inches. It contains forty-eight compartments, and over each is the name of the journal which is to occupy that portion, lettered in black on silver plates. This handsome addition to a very handsome room was designed and constructed under the direction of the chairman of the library committee, Alfred D. Clinch. It most admirably serves the purpose for which it is intended.

In the manufacture of linseed oil, the seeds are crushed between a number of revolving rollers, and ground to a fine meal under heavy edge stones, upon a stone bed.

ILLUSTRATED BICYCLE NOVELTIES.

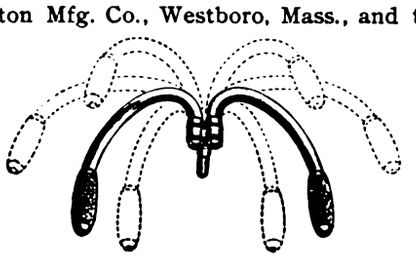
MANUFACTURERS and DEALERS are invited to make FREQUENT USE of these columns.

Anything NEW in BICYCLES or BICYCLE NOVELTIES should be sent us immediately. NO CHARGE, direct or indirect, is made, as our interest lies in SHOWING THE HARDWAREMAN what is going on in THE BICYCLING WORLD.

When your NOVELTY is ready, send us an Electrotype and descriptive matter, which will appear immediately.

Adjustable Handle Bar.

The Adjustable Handle Bar here shown is manufactured by the Ariston Mfg. Co., Westboro, Mass., and the Hoole



Machine & Engraving Works, No. 83 Reade Street, New York, are agents for New York, New Jersey and Connecticut. The advantages of this Bar are that the handle can be raised up and down without loosening in the steering head. In raising and lowering, the cork handles swing in a circle, and so retain their relative positions and the cork handles never get in a perpendicular position. The Bar is bent forward so as to be entirely out of the way of the rider's knee, and an elevation of eighteen inches can be had without an unsightly bar sticking out of the steering head. Correspondence from the Hardware trade is invited.

The Bi-Gear.

The Brown-Lipe Gear Co., Syracuse, N. Y., are introducing a new Changeable Gear which can be instantly increased or decreased at any speed. The gear is entirely contained in the hub of the rear wheel and adds only a pound in weight to any wheel. In Fig. 1 the gear is shown in high speed position, the sprocket wheel in clutch with the hub of the rear wheel, both revolving at the same speed. Fig. 2 shows the low gear position, a portion of the clutch flange being broken away to show the parts clearly. The manufacturers state that "the device proper consists

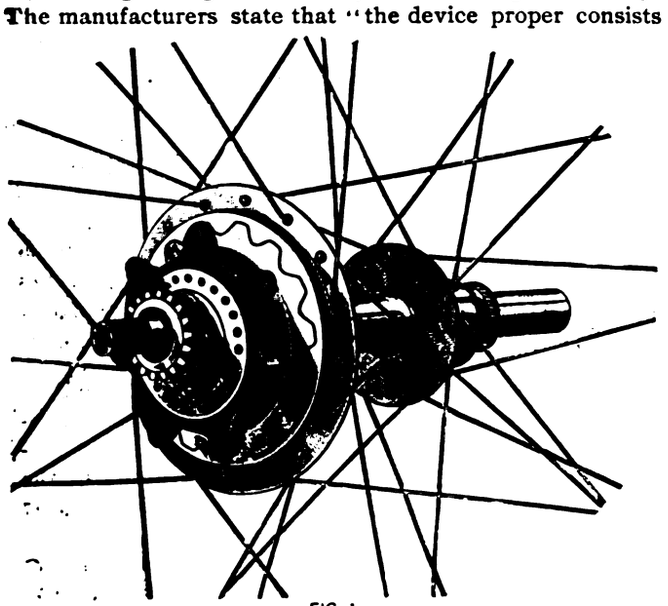


FIG. 1.

of an internal gear, built in the hub of the rear wheel. This hub also contains a clutch. The sprocket wheel is mounted on ball bearings independent from the wheel. The inner end of the sprocket projects into the hub of the wheel and is provided with a spur gear and also a set of clutch teeth. By means of an eccentric on the shaft, this sprocket may be brought into the gear of the wheel, in which case the low speed is obtained; or it may be thrown into clutch with the clutch teeth in the hub for the high speed. The switching from high to low gear is accom-

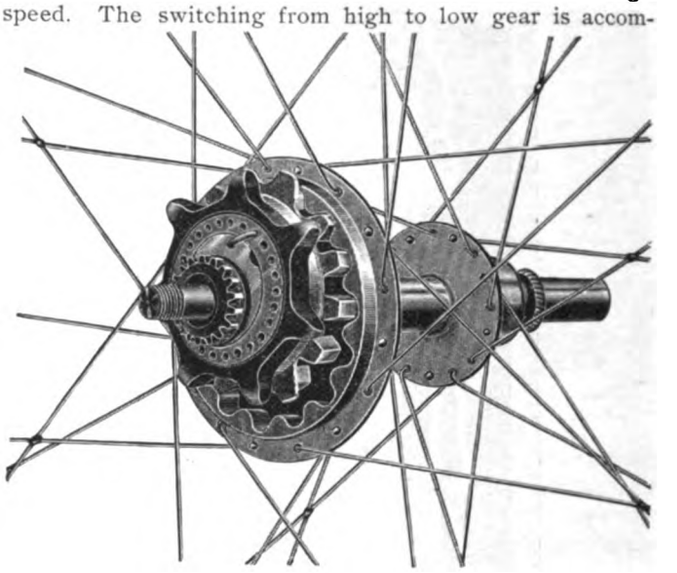


FIG. 2.

plished by means of a small rod extending from the sprocket wheel up to the frame in front of the rider. The ratio of speed is as 5 to 4; viz: a wheel geared to 70 for high speed would be geared to 56 for low speed. An intermediate position between the two positions of the sprocket wheel releases the sprocket entirely from the wheel, thereby freeing the pedals so that they may remain stationary if the rider wishes to coast."

The Morse Roller Joint Bicycle Chain.

The Morse Spring Co., Trumansburg, N. Y., are introducing a Roller Joint Bicycle Chain, as seen in the accompanying illustrations. Fig. 1 shows the Chain. Fig. 2 shows the construction of the Chain and an enlarged view of side link and roller joints. Fig. 3 shows the Chain dissected. This Chain is described as follows: "The roller joints in these Chains are actually perfect roller bearings, each of which consists of two rolling pins made of the finest tool steel, carefully hardened. These pins are arranged side by side in the cylindrical holes in the centre links of the chain, and are adapted to roll against each other as the joints are worked. The shorter of these pins is provided with a cylindrical rolling surface and is wholly contained within the centre links, but the longer pin extends through the side links and is provided with a plane rolling surface,

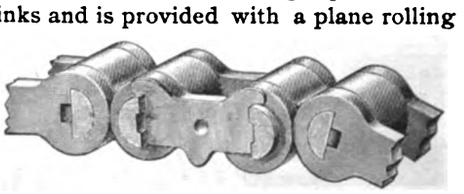


FIG. 1.

arranged perpendicular to the length of the side links. This perpendicular arrangement of the plane rolling surface is important, as it avoids all tendency to slipping or sliding between the rolling surfaces of the joint. This is easily seen to follow from the fact that the side links do not rest on the sprocket wheels, and therefore the force due to the tension of the chain always acts in the direction of their lengths and therefore perpendicular to these plane rolling surfaces. This form of roller bearing, consisting of a hardened cylindrical surface, rolling on a hardened plane surface, has a great advantage over a ball bearing, so far as its capacity to work under great pressure is concerned, for while the balls present a point only for a rolling surface, our bearing presents a line the full length of the cylindrical

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rolling surface. Actual tests have proved that the roller joints in the five-sixteenth inch chain will stand a working pressure of over 900 pounds without showing any abrasion of the rolling surfaces. Since the maximum tension of the

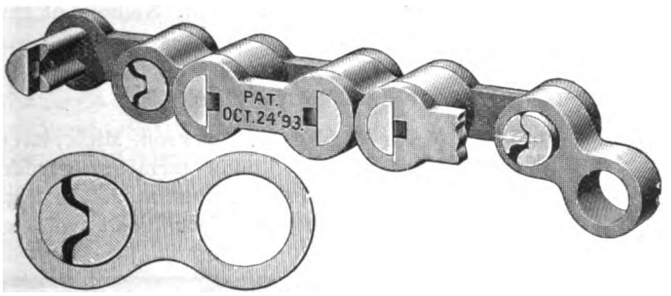


FIG. 2.

chain on a bicycle is rarely more than 600 pounds, this test proves the durability of these joints. These roller joints are frictionless, will not wear and need absolutely no lubrication of any kind. The side links are securely attached to the long rolling pins by having the ductile metal of which they are made, forced into niches provided in the ends of these pins. The centre links are hardened to prevent wear

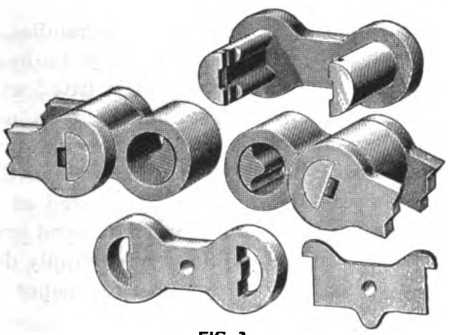
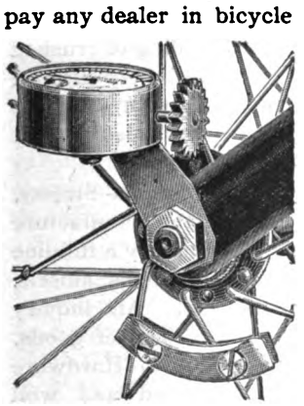


FIG. 3.

on the outside from contact with the sprocket wheels. The chains are made true as to pitch and will remain true. The chain is uncoupled by sliding out the spring clincher plate, then removing the side link back of it. The opposite side link, with seat pins attached, can then be easily removed, and the chain uncoupled."

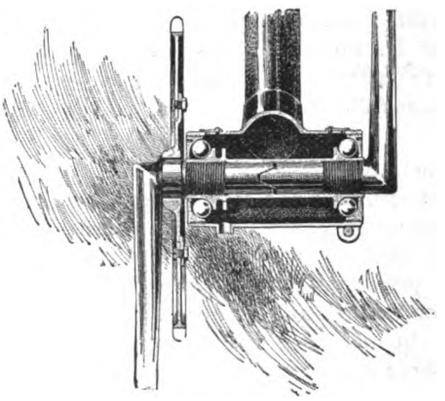
The "Little Gem" Cyclometer.

The American Indicator Co., Lawrence, Mass., are successfully manufacturing the "Little Gem" Cyclometer here shown. They describe it as an instrument that it will pay any dealer in bicycle accessories to handle. Its special features of merit are its size, weight, price, and the small amount of power required for its operation. The makers guarantee that it will register correctly at any speed; will not rattle, and will stand considerable hard usage. They offer to repair it free at any time during the present year, if the postage is sent for its return, which is a very good guarantee of their faith in its good qualities. The price is but $1.25, with a discount to agents, and they will be pleased to send detailed information to any who may take an interest in the "Little Gem."



Columbia Crank Shaft.

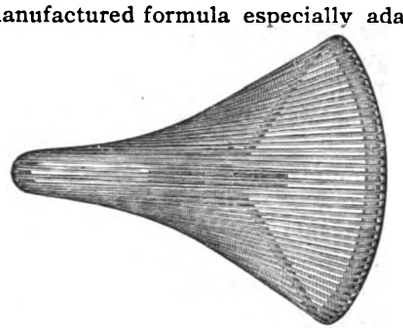
The illustration which appears here represents the mechanism used by the Pope Mfg. Co., Hartford, Conn., in the construction of the crank shaft of their Columbia bicycles. The manufacturers explain that "the cranks and crank shaft are in two parts, each half of the shaft with the crank being forged in one piece. The cranks are of the very best hardened spring steel. The strength of the shaft and cranks is figured on a theoretical basis—the same as the strength of the crank for any engine is determined; and the cranks are then made to stand the requirements. The spider, or centre, of the sprocket is keyed and then brazed to the shaft, and the cranks and spider are afterward clock-spring tempered. The cranks and sprocket have stood without the slightest injury a test of 400 pounds applied to the



centre of the pedal in order to subject the whole to a combined twisting and bending strain. The shaft is joined by a V-joint combination within a sleeve. This sleeve is a forging, the ends of which form the cones of the bearings. To assemble this mechanism, the sleeve, balls and cases are put into the bracket and adjusted. A key, put through a hole in the bracket for this purpose, fits in a slot in a flange on the sleeve and holds it stationary. The cranks, held in proper relation with each other at the start, are screwed into the sleeve on right and left-handed threads, until the V-joint engages, the turning being in the forward direction. As will be noticed, this combination makes a secure engagement, and renders it impossible for the cranks to be in other than perfect alignment. In adjusting the bearings, the case on the sprocket side is held stationary by being screwed tight against a shoulder. The opposite case is secured in its adjustment by an improved binding bolt device. To allow of this adjustment, the barrel is made thinner, and not slotted, thus rendering these bearings absolutely dust-proof. The adjusting case is made extra heavy to permit of a secure clamping without warping it. The balls are three-eighth-inch in diameter, with ten on each side. Both the cases and cones at their working surfaces are spherical in form, which gives the balls a direct rolling action and the least number of points of contact. The width between the ball centres is three inches. The tread—the term generally accepted being from faces of the cranks at the shaft—is 5 7-16 inches on the regular wheels, and 5⅛ inches on the racer."

Spring Wire Saddle

The Spring Wire Saddle introduced by the Climax Mfg. Co., East Hampton, Conn., is a genuine novelty and a decided departure from the construction heretofore obtained in saddles. Instead of having a leather top it is made of fine springs of best quality spring steel made of two-ply wire, from the manufactured formula especially adapted to the



purpose; contains 18 per cent. sterling silver, the metal being noncorrosive and guaranteed against rust. This saddle "insures perfect circulation giving a perfectly dry and cool seat, the springs are very easy and elastic yet of sufficient rigidity, and they never sag."

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New England Hardware Dealers' Association.

The adjourned annual meeting of the New England Hardware Dealers' Association was held at the United States Hotel, Boston, on the evening of March 13th, President Thompson, of Lowell, Mass., presiding. The first business brought before the meeting was the election of the following new members: Thomas W. Brown, of Boston; Geo. J. Collins, firm of Brockway & Smith, Lynn, Mass., and Edgar H. Bowers, of Gallin, Orr & Co., Needham, Mass. The chairman then called for the secretary's report, which was as follows:

SECRETARY'S REPORT.

Since the last annual meeting there have been nine monthly meetings of the Association, with an average attendance of seventy; ten meetings of the executive committee, six of the pricing committee; one meeting of the executive, pricing and investigating committees combined, and one of the Boston members. The secretary has attended all the meetings, and is happy to state that the proceedings were of a very harmonious character, every member seeming eager to promote the general welfare of the Association. Twelve applicants have been admitted to membership, nine persons have withdrawn, and one, Mr. Henry O. Stratton, has died, leaving more members in the Association at the close of the year than there were at the beginning. When we consider the general depression of business, the reduction of prices, and the falling off of trade, requiring the practice of the strictest economy, I think it is a subject of congratulation that we find our Association in such a flourishing condition. There are doubtless many Hardwaremen in New England who are waiting for the times to improve before sending in their applications for membership. At the majority of our monthly meetings we have been entertained by speakers outside of the Association, as well as by musical performers, all of which contributions were highly appreciated. Commencing with our October gathering we have relied on our own members to entertain us in the discussion of the following subjects: "Is it for the best interests of the retail Hardware trade to send out drummers?" "The necessity of stopping the sale by jobbers and manufacturers direct to the consumers;" "The lien law for materials furnished in the erection, alteration, or repair of buildings;" "Does advertising pay the retail dealer?" It was interesting to hear the views expressed by the different members, and as a whole the discussions were well received and very instructive. Gentlemen of this Association, allow me to say in closing, that I know we have succeeded well thus far, but we want a larger membership; will you do your part to this end? If each of you will obtain a new member, it will increase our numbers to the extent to which we ought to attain. Respectfully yours,

JAMES A. FARLESS, Secretary.

The treasurer, D. Fletcher Barber, then submitted his report, showing that the Association financially was in a healthy condition.

The chairman then called for the report of the nominating committee, composed of the following members: George W. Burditt, John C. Holden, S. D. Balkam.

The following list was submitted for office for the ensuing year:

President: Hiram G. Janvrin, of M. C. Warren & Co., Boston.

First Vice-President: Thomas H. Baldwin, of Baldwin, Robbins & Co., Boston.

Second Vice-President: Edward A. Loomis, of Belcher & Loomis, Providence, R. I.

Third Vice-President, John B. Hunter, of John B. Hunter & Co., Boston.

Secretary: James A. Farless, of Boston.

Treasurer: James L. Work, of J. W. Vinal & Co., Boston.

Directors: Samuel H. Thompson, of Thompson Hardware Co., Lowell, Mass.; Frank R. Washburn, of Taunton, Mass.; Anthony S. Morss, Boston; Albert M. Gardner, of A. M. Gardner Hardware Co., Boston; John C. Holden, of Holden & Robinson, Hudson, Mass.; D. Fletcher Barber, of Chandler & Barber, Boston; Calvin M. Nichols, of the Hoyt Co., Dorchester, Mass.

Two New Potato Hooks.

The Withington & Cooley Mfg. Co., Jackson, Mich., have added to their great and famous line of farm and garden tools, the two new Potato Hooks here illustrated. In Fig. 1 may be seen their No. 10, which has four broad oval, ex-



FIG. 1.

tra heavy, eight-inch tines, with five-foot handles. In Fig. 2 may be seen their No. 11 Hook, which has a heavy goose neck, seven-inch wide oval tines, and is fitted with a 4½-foot handle. The makers describe them as useful and handsome implements, made of first-class materials, very strong, and especially popular with the trade in the South. They are finished in blue, and are both listed at the same price. The company will be pleased to send prices, etc., to any who may be interested, and also supply desired information as to the kinds they make for paper mills, and

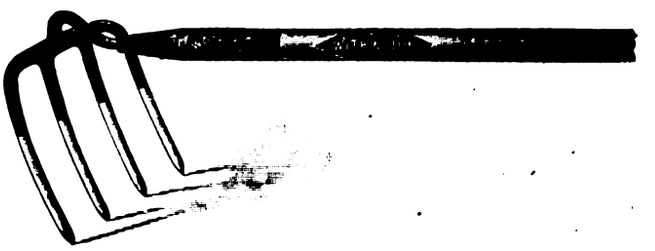


FIG. 2.

those for the foreign trade. They also have a line of clam hooks or diggers. In their line may be found eighteen varieties of Hooks, among which are mentioned weeding hooks, those for manure, hops, or the handling of crushed stone in road making. The company stand very high in their line of manufacture, and their goods go not only into all parts of America, but abroad in large quantities as well.

The L. & I. J. White Co., Perry and Columbia Streets, Buffalo, N. Y., are especially successful in the manufacture of Edge Tools and Machine Knives. They carry a full line of edge tools, coopers', carpenters', and ship tools, chisels, plane irons, draw shaves, cleavers, etc. An inquiry addressed to them regarding any of these lines of goods, will bring information of special benefit to Hardware dealers. The company are long established and well known, and stand very high in the estimation of the trade.

Alfred Field & Co., No. 93 Chambers Street, New York, desire to inform the trade that they have received their season's stock of the celebrated solid and riveted back Grass Hooks, riveted back Scythes and Straw Knives, made by W. K. & C. Peace of Sheffield, for whom they are agents, and will be glad to supply the trade with these superior goods at low prices. The bulk of the grass hooks sold are not tempered, and it should be noticed that these goods are properly tempered.

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NEW ENGLAND IRON & HARDWARE BANQUET.

The Annual Banquet of the New England Iron & Hardware Association was given at the Exchange Club, in Boston, on the evening of March 19th, and it is needless to say that both as to attendance and the character of the entertainment offered, it was one of the most successful and thoroughly representative gatherings of the character ever held by any association in the country.

The arrangements were in the hands of efficient gentlemen who have had experience in this direction, and their efforts, both for the comfort and pleasure of their guests, were carried out with great success to the minutest particular. Those having the matter in charge in its various departments, and who constitute the officers and able committees of the Association, were as follows:

President: Edwin L. Haley.
Vice-President: Albert M. Wiley.
Treasurer: Charles H. Breck.
Secretary: Frederic H. Butts.

Directors: Charles H. Bolles, Joseph K. Whipple, Charles Clark Adams, William Chamberlain.

Committee on Banquet: Charles Clark Adams, Albert M. Wiley, Charles H. Bolles.

Reception Committee: Joseph K. Whipple, Leon C. Carter, Frederic A. Walker, Roland H. Boutwell, Dudley H. Bradlee.

A great many visitors, not only from points in Massachusetts outside of Boston, but also guests and visitors from other points in New England, New York and the South and West, were present. Many of these gentlemen were in Boston during the day preceding the banquet, and were entertained in a highly hospitable manner by their friends of the trade in that city. At five o'clock a reception was tendered the guests by the officers and the committees at the handsome club rooms of the Exchange Club, on Milk and Batterymarch Streets. An hour was spent in social converse and in listening to the music of a most excellent orchestra. At a few minutes after six o'clock, the gentlemen were escorted to the dining-room of the club on an upper floor, and the sight which presented itself on entering the club room, was very attractive in an artistic sense. The arrangement of the tables, with the location of the guests, may be discovered by a glance at the accompanying diagram. The tables were loaded with flowers, and the room was appropriately decorated with flags, etc. In the further end of the room the Boston Instrumental Club occupied an advantageous position, and from time to time during the evening rendered not only the music found in the following programme, but also interspersed "Dixie" and such patriotic airs as seemed to befit the occasion:

1. MARCH. St. Valentine's, - - - *Wiegand.*
2. OVERTURE. Mons. Choufleuri, - - - *Offenbach.*
3. WALTZ. Madeleine, - - - - *Waldteufel.*
4. SELECTION. Cavalleria Rusticana, - - *Mascagni.*
5. CAPRICE. The Butterfly, - - - - *Bendix.*
6. SELECTION. Robin Hood, - - - *De Koven.*
7. LA CINQUANTAINE, - - - - *Gabriel-Marie*
8. GAVOTTE. Margherita, - - - *Mascheroni.*
9. SELECTION. Rob Roy, - - - *De Koven.*
10. MUSICAL SCENES FROM SPAIN, - - - *Langey.*
11. SELECTION. Erminie, - - - *Jakabowski.*
12. GALOP. Impatience, - - - - *Wiegand.*

When the gentlemen had taken their seats, the president of the Association, E. L. Haley, of Edwin L. Haley & Co., called them to order, and grace was said by the Rev. A. A. Berle, pastor of the Brighton Congregational Church, of Boston. An hour and a half then passed very pleasantly in the discussion of the elaborate menu which follows:

MENU.

Oysters.

Soup. Haut Sauterne.
Cream of Chicken. Consomme.

Relishes. Pale Sherry.
Celery. Olives. Radishes. Salt Almonds.

Fish.
Bass—Sauce Diplomate.
Potatoes Hollandaise.

Roast.
Filet of Beef—Varsovienne.
Saddle of Lamb—Vefour.

Entrees. G.H. Mumm's Ex. Dry.
Chicken—a la Toulouse.
Timbales Chevreuse. Moet & Chandon.
Pate de Foie Gras in Jelly.

Sorbet Cardinal. Cigarettes.

Game.
Black Duck—Lettuce Salad.

Sweet. Pontet Canet.
Orange Fritters. Frozen Pudding.
Fruit Jelly. Cakes.

Cheese.
Brie. Roquefort.
Fruit. Coffee. Cigars.

At 8:20, President Haley arose and announced that the time had come for the intellectual portion of the evening's feast, and the character of the same may be gleaned from the following:

PROGRAMME OF SPEECHES, ETC.

GRACE, - - - - - Rev. Adolph A. Berle.

"Some hae meat and canna eat,
And some would eat that want it;
But we hae meat, and we can eat,
Sae let the Lord be thankit."—*Robert Burns.*

GREETING. - - Mr. Edwin L. Haley, President.

"May the coming hour o'erflow with joy,
And pleasure drown the brim."—*All's Well That Ends Well.*

TOASTS.

1. THE COMMONWEALTH. - - Col. Henry A. Thomas.

My country, my country! Oh! there is a charm
And a spell in the word that makes every heart warm."
Rufus Choate.

2. HARDWARE ASSOCIATIONS. - - Mr. Edward Buford

"A business with an income at its heels
Furnishes always oil for its own wheels."
—*William Cowper.*

3. ARBITRATION AND CONCILIATION. - Hon. Asa French

"The end crowns all,
And that old common arbitrator, Time, will one day end it."
—"*Troilus and Cressida.*"

4. THE GOOD TIME COMING. - - Mr. R. R. Williams.

"Put your trust in God,
But mind to keep your powder dry."—*Edward Hayes.*

5. THE ARMY AND THE PEOPLE. Capt. John Bigelow, Jr., U. S. A.

"And through the heat of conflict keeps the law
In calmness made, and sees what he foresaw."
—*William Wordsworth.*

6. A BRASS FOUNDRY IN THE WILDERNESS. Rev. Adolph A. Berle.

"When Aaron made the golden calf, he used the gold which the people gave gladly enough.

"The modern Hardware man still takes the gold, but the other fellow furnishes the calf."—"*Original Cylinder.*"

7. IRON IN THE BLOOD. - - Mr. Webster R. Walkley,

The brave man is not he who feels no fear,
But he whose noble soul its fear subdues.
And bravely dares the danger nature shrinks from."
—*Joanna Baillie.*

8. GOOD NIGHT.

"The bugles sound the swift recall,
Cling! Clang! Backward all,
Home, and good-night."
—*Edmund Clarence Stedman*

If you come in '96 you will never regret it.

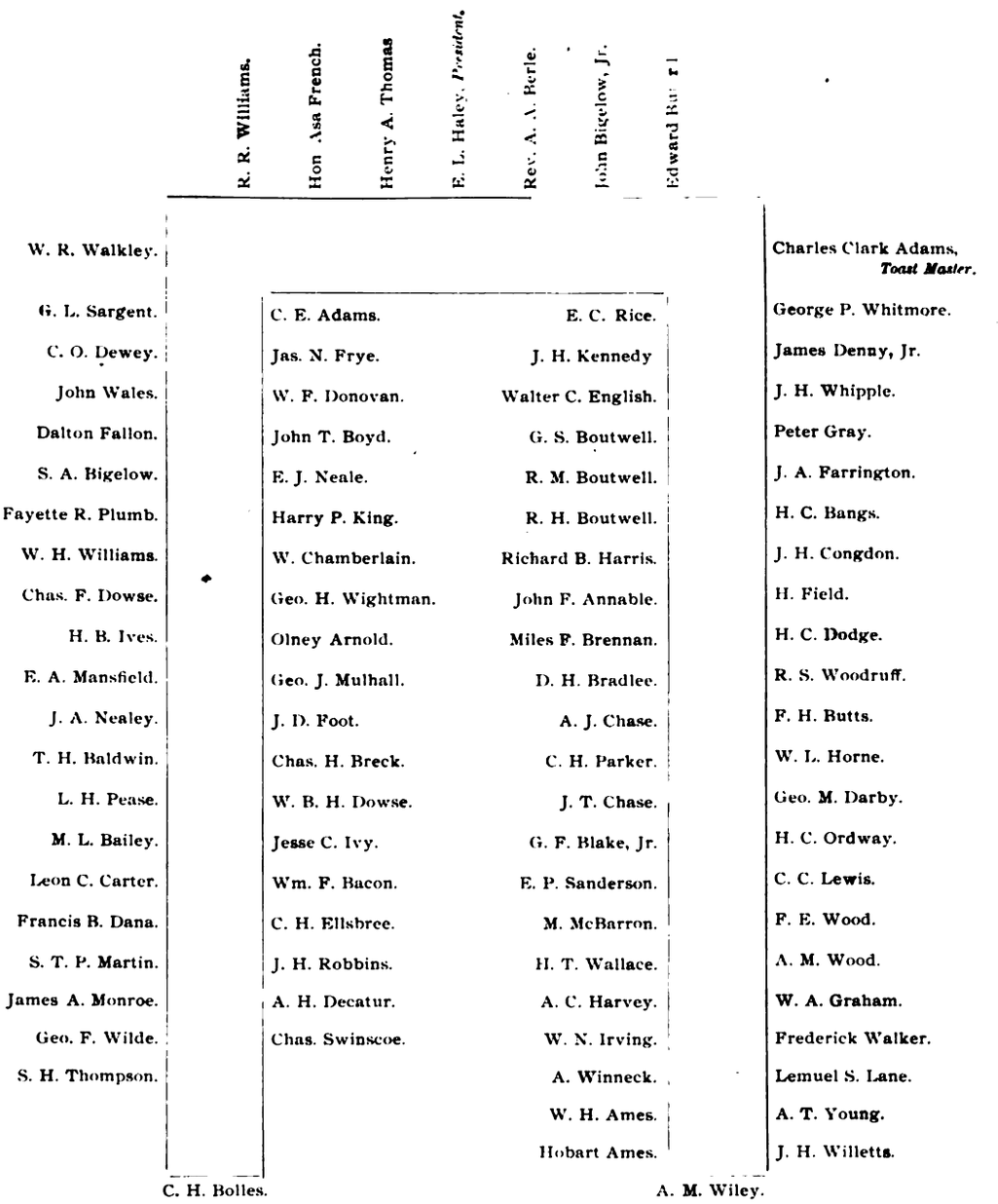
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At each plate was found not only a card containing the name of the guest who was to occupy the accompanying seat, but also a handsome little book, containing the names of the officers, menu, list of speakers, etc. The cover was handsomely embellished with the unique design shown in full elsewhere in this report.

Mr. Haley in his opening greeting to the members of the Association and their guests spoke as follows:

ADDRESS OF EDWIN L. HALEY, ESQ.

Gentlemen of the New England Iron & Hardware Asso-



ciation, and invited Guests: Another year has brought us round the social board, this being our second annual dinner, and first as a corporation, chartered and organized under the laws of the Commonwealth.

As we greet each other this evening I have no doubt the thoughts of many go back to those who were with us one year ago, who have passed over the river, and are now at rest from labor. I would certainly fall short of my duty if I did not call to your mind the genial and kindly spirit of Stratton; the sterling business qualities of Leeds; the social and always cordial greeting of Dana, who was cut off in comparative youth, and when such a field of usefulness was before him. Surely we cannot fathom God's ways, and must silently submit to acts of Divine Providence, knowing that in His own time all will be made plain.

During the month of July we were the guests of the Congdon & Carpenter Co. and the Perkins Horse Shoe Co. of Providence, R. I. None who were so fortunate at that time as to be under their charge, will ever forget their kindly treatment, and we are forced to admit that the State of Rhode Island, although small in area, is liberal and large in its hospitality. Again in the month of August we were invited to Portland, as the guest of the Hardware merchants. We were shown their beautiful city whose harbor is unexcelled, and through its natural advantages is destined to become one of the great outlets for the West and Northwest. We were royally entertained, and as an Association were convinced that the principles advocated by its celebrated reformer, Gen. Neal Dow, had the desired effect upon our members; and that the settling qualities, especially of "Apollinaris," far excelled our own Cochituate. Some of our members no doubt, have even forgotten its taste. (Laughter.)

I will not dwell longer upon the social side, but call your attention to our corporation and some of its advantages. I am not aware of such an organization existing elsewhere and doing its work upon the same plan as ours. The intent of our Association is to adjust any existing irregularities in the matter of prices, and to induce the manufacturer to co-operate with us, in order that a

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fair return shall be afforded for the amount of capital invested.

Speaking from the side in which I am personally interested, unity and harmony has prevailed in our deliberations, and all has worked well. During the year the different houses represented have had good returns upon their sales, which more than repays them for the time and labor expended. Gentlemen representing light Hardware, it is for you to say what success has crowned your labors. Certainly you have had every opportunity and advantage given you to make your deliberations successful. Bear in mind, no one house can successfully control and gain supremacy over the small and less favored ones, and I would urge upon you, as an Association, the importance of harmony and unity of action, and to let your deliberations always be tempered with fairness, otherwise your coming together will result in no special good. Remember, prices once agreed upon and broken destroy the stability of values and sink them to a point where there is no money for anyone. I am of the opinion that our Association has attempted to carry too extended a list. It is better for you to operate well a few articles, than to strive to make an extended schedule and fail in the effort.

We labor under a number of disadvantages in having so many large cities, which have been made distributing points for the densely settled territory. I would, therefore,



PRESIDENT E. L. HALEY.

urge upon you in the coming year, to take such measures as will tend to induce the larger houses to join our Association, and maintain and profit by the prices which you may make from time to time; but just how this is to be brought about is for you to formulate and determine. I would suggest that New England have three Associations instead of two; their territorial limits defined by a joint convention, and the respective houses assigned to their proper organizations.

New England being unfavorably located in regard to the natural resources, I fear its future is not a brilliant one from a manufacturing standpoint, and I am reminded of the words of his honor the Lieutenant Governor, that the future must depend largely upon the finer and artistic grades of manufactured articles.

I cannot agree with the scholarly and brilliant ex-Governor who attributes the decay of the iron industry to tariff legislation. In my opinion, the decline of this particular branch in New England, is from natural causes. The tendency of to-day in our iron, cotton, leather, boot and shoe industries is to leave our borders and seek the home of the crude material which, with the inequality of our interstate commerce laws, works against all our manufacturers representing millions of capital.

The dockage facilities of the city of Boston are sufficient to handle all the business which now comes to this port, and ample for a rapid transshipment of a vastly increased commerce. Until the New York and New England Railroad Docks shall be transfigured from rotting disuse into a state of activity, the time will not be ripe for either the city of Boston or the State of Massachusetts to expend millions of dollars for improved docks. Rather let us try to induce our congressmen to secure for Boston more liberal appropriations to be expended for the improvement of our channel and harbor, and in making the entrance to Boston harbor as nearly equal to that of the port of New York as human ingenuity can contrive. As it is to-day, any of the large steamers or sailing vessels making Massachusetts Bay in a heavy storm are obliged to lay outside until good weather before entering.

Boston's future as a port for the transaction of foreign business depends entirely upon the activity of its citizens, and upon the growth of the territory east of Hartford and south of Montreal, as the Erie Canal will always land the greatest bulk at the lowest freight rates in the City of New York.

We are emerging from the gloom and darkness of national disaster and financial panic. Light is dawning upon thousands of factories and mines and business houses of the returning prosperity, and it behooves us as members of the New England Iron & Hardware Association, to stand in the light of the advancing beams, and to place our banner well in the forefront of the complete restoration of national and New England prosperity. (Applause.)

At the conclusion of Mr. Haley's address, which was listened to with close and interested attention, the active management of the evening was turned over to that gentleman who has so often shone with brilliant light in positions of this character—Charles Clark Adams, of Boston, who had been selected as toastmaster of the evening. Mr. Adams in assuming the responsible duties of this position made the following remarks:

TOASTMASTER ADAMS' ADDRESS.

Mr. President and Gentlemen: Allow me to congratulate you upon this delightful festival of the Iron and Hardware trade. Those who attended the dinner one year ago knew what to expect, and to those gentlemen who are with us to-night for the first time we extend a hearty welcome, and I sincerely wish that these meetings of our trade may result in warm friendships. Why should we insist upon meeting as competitors? I believe that as soon as the element of friendship shall be cultivated, many of the annoyances of competition will be dissipated, even as the dew disappears before the morning sun.

As my old friend Mr. Williams, President of the New York Hardware Club, so well quoted from Cicero two years ago: "Friendship is the only thing in the world concerning the usefulness of which all mankind is agreed." But my duties are not to make a speech. I thank you all heartily for this kind reception. It is an honor to serve such an association as this one in any capacity. (Applause.)

We have with us to-night several speakers, who are to address us upon their chosen topics; but I want to call your attention to the recent reports from the great commercial centers as to the state of business, which say substantially that all indications of the state of business are rather more favorable. Farm products are a little higher, railroad earnings a shade better, clearing house exchange a small percentage larger in comparison with two years ago, and most of the industries show a somewhat better front, although their gain is not large.

Surely, my friends, with the promise of brighter business, the vigorous pluck and energy of the American people will again lead us to the pleasant, bustling days of prosperity.

As toast-master, it has now become my pleasant duty to introduce to you the speakers of the evening. Indeed, I may act in the spirit of the fly who bit the elephant on the tail. When the fly was asked whether he expected to kill

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the elephant he said: "No, but I notice I made him look around." And the kind friends must endure introduction from the toast-master before entering into the joys of after-dinner speaking before these hard-headed though kind-hearted Hardwaremen.

It is expected that the speeches will not exceed fifteen to twenty minutes in length, that all may listen to them, and



TOASTMASTER CHARLES C. ADAMS.

yet be permitted to reach home before the midnight deadbolts are thrown. (Laughter.)

At the conclusion of his address, Toastmaster Adams, in a few fitting words, introduced Col. Henry A. Thomas, private secretary to the Governor of Massachusetts, who spoke upon "The Commonwealth" in the following eloquent manner:

REMARKS OF COL. HENRY A. THOMAS.

Mr. President and Gentlemen of the Iron and Hardware Association: Knowing something of the character and objects of your organization, it gives me much pleasure to accept your hospitality on this occasion and speak to the toast: "The Commonwealth of Massachusetts." I take it that you do not expect me to discuss questions relating to the Iron and Hardware trade of New England, but the name of your organization is suggestive of New England character and New England history. It required an iron constitution and strong courage on the part of our ancestors to fight the obstacles surrounding them on every hand, and to push forward in the work of organizing and creating a great Republic.

We hear much said to-day about the narrow policy and stringent laws of the Pilgrims, but it must be acknowledged that they were sturdy men and had the good of the State and nation at heart, and surely the grand result shows that they builded wisely. Without their example and their noble work, New England would not be what it is to-day—the proudest collection of commonwealths in the United States or any part of the globe. Times have greatly changed, but in all the work of politics, of education and humanitarian efforts, the country is not going backward, but we must hesitate before departing too far from the paths trodden by those men of old. We all believe in the Commonwealth of Massachusetts and are always delighted to hear her praised. Her history and her resplendent record of noble deeds are known to the world.

She has been true to the principles laid down by the founders of the government—true to education, patriotism and humanity. It cannot be said of Massachusetts to-day that she ostracises any of her citizens because of color, sect or religion, and we say shame on any Southern State which refuses to recognize or entertain a member of the Massachusetts Legislature because he happens to have a skin darker than their own. And her face has always been toward the morning. (Applause).

When Wendell Phillips was making his first great speech in Fanueil Hall before an unruly mob in behalf of Garrison, there was a moment when his courage almost gave way before the hisses and opposition of his audience, but just at that moment a card was handed to him upon the platform from his wife, which contained two simple words: "Wendell, stick!" and, catching the inspiration of that thought, he had his hearers under perfect control until the end of the meeting, and was the next morning hailed as one of the foremost orators of the country. So I say to the men of this organization, stick to the objects which you have undertaken to accomplish, and ever be true to the interests of New England and her great industries. (Applause). Whatever tendency there may be at the present time of our cotton mills and other industries moving to the South it is only temporary, for the finer products of our mills and factories must always be furnished by the skilled labor of New England, which has already proved itself able to compete with people of any part of the world.

Standing upon the State House steps, we can refresh our minds with the history and deeds of Massachusetts men; we can behold Dorchester Heights, which was fortified by Washington to defend Boston against the attack of the British; we can see the steeple of the Old South Church pointing to heaven, telling the story of the patriots who from time to time have gathered within its walls; we can see historic Bunker Hill monument telling of the glorious fight made by our ancestors in the time of our nation's crisis, and inside the State House we can look upon the old



COL. HENRY A. THOMAS.

battle flags covered with the blood stains of heroes; and in all these pictures and events we acknowledge an inspiration that is bound to fortify us against any trials or crises which may arise in the future, and Massachusetts will always stand at the front. We believe in her sturdy character, and it is for the business men of Massachusetts to see that politics are kept clean, and that the men who properly represent your industries and the best interests of New England are

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sent to Congress as your representatives, and see to it that in the caucuses and at the polls you are on hand to do your full duty as citizens of this great Republic.

Whatever our differences in politics, society or religious matters, we can stand together upon the rock of patriotism. The first duty of every American citizen is to his God, and the next, to his country. So long as we adhere to that doctrine, Massachusetts and the country are safe. We have admitted to our shores too many men not in sympathy with our institutions, who are liable to combine and menace the prosperity of the Republic. The time has come when a new policy should be inaugurated. And while we welcome men from all climes to the privileges of this free government, we must say to them at the outset: Subscribe to the Constitution of the United States, maintain the principles which have made us great as a nation, and swear allegiance to the Stars and Stripes. (Applause). And Massachusetts, as the bright particular star of the New England States, stands now, as she ever has, a Gibraltar of defense against the inroads of anarchy, corruption and misrule, while from the pinnacle of her fame she floats the white flag of freedom



MAJOR EDWARD BUFORD.

which invites the country to the full confirmation of the enlightened civilization which beckons to us from the future.

When the applause with which the conclusion of Col. Thomas' speech was received, had subsided, the toastmaster introduced Major Edward Buford, a member of the firm of Buford Bros., dealers in iron, steel and Hardware, of Nashville, Tenn., who had come from the South for the express purpose of attending this gathering, and to voice his views as to the present attitude of the South toward the North and the Union. As Mr. Adams himself had been a soldier upon the Union side, his introduction of Major Buford paved the way for the patriotic sentiments which the gentleman last named uttered in so emphatic a manner, and an audible smile went around the audience when the speaker referred to Major Buford as "the only private that was ever in the Confederate army." Major Buford's topic was "Hardware Associations," and he spoke as follows:

ADDRESS OF MAJOR EDWARD BUFORD.

Gentlemen of the New England Iron & Hardware Association: As the man said when he fell out of the balloon, when it comes to talking, I am not "in it," and for fear I shall have an attack of "stage fright," or, as it is known in the South, "buck ague," and forget what I want to say, I have committed some things to paper.

As you well know, the Hardwareman is not a talker. He will tell you a good story, "cut the pigeon wing" or "double shuffle," but if you stand him on his feet to talk, he is "as dumb as an oyster." There is not a Chauncey Depew in the whole fraternity. No! not one! It can never be said of him as the parrot said of himself, that he talks too much. You have all, no doubt, heard the anecdote, so I will not stop to tell it to you.

I am reminded to-night of the remark made by the man who had been knocked down by the town bully; picking himself up from the middle of the street, and brushing the dust from his clothes, he said to the crowd which had collected on the sidewalk: "Boys, fighting is agin my principles, but if anybody will lick this fellow for me, I will pay the fine." (Laughter.) I make the same offer to-night—if any gentleman in the room will do my talking, I will furnish the applause. (Laughter.) No response!

I have chosen to talk to you to-night about Hardware Associations, because I am an enthusiastic believer in the good which can be accomplished by working together in such organizations. In my opinion, trade associations furnish the only remedies which we can rely upon for the eradication of the pernicious practices which have attached themselves like barnacles to the Hardware business. Unless we make up our minds to work together, we can never hope again to realize profits commensurate with the detail and labor which devolves on those who are engaged in selling Hardware.

It may be that this subject does not appeal so directly to you as it does to us in the South, because being rich and prosperous, you are not compelled to chase the nimble penny as we have to do. In these days, the penny is the unit by which we measure our profit—a profit so small and illusive, that, like the "Irishman's flea," when we put our finger on it, it is not there.

Last June, when the Southern jobbers met at Richmond, Va., in making a report for the committee of which I was chairman, I offered some figures which were literally true and should convince even the most sceptical that our way out of the difficulties which beset us, lies through Hardware Associations.

At that time, our local Association had been working perfectly for more than a year. I had taken from the books of the six houses in Nashville the quantities of the following staples: Wire Nails, Burden's Shoes, Plain and Barbed Wire, which had been sold, and the average price during the previous twelve months. After going over the matter carefully, and making the most conservative calculation possible, I found that on those four staple articles we had cleared $35,000 or thereabout. These are, beyond question, four of the most staple articles sold by the Hardware dealers in the South. It was the opinion of the members of our Association that under ordinary conditions our combined profits would not have reached $5000. Some of the more conservative thought even this too high an estimate. It has always been a question in my mind whether or not we make any money on the four items mentioned. I feel certain we do not if we charge them with their legitimate proportion of the expenses of doing business.

The sum of $35,000 divided among six houses in proportion to sales would go very far towards paying house rents, taxes, insurance, and at least a part of the losses by bad debts. I think you will agree with me that this is a remarkably good showing on articles which usually net a loss.

By adding thirty or forty other staples, and forcing our men on the road to sell at our fixed prices, we found at the end of our fiscal year (after finishing our inventories) that the balances were on the comfortable side of the ledger, which would not have been the case if we had no Association.

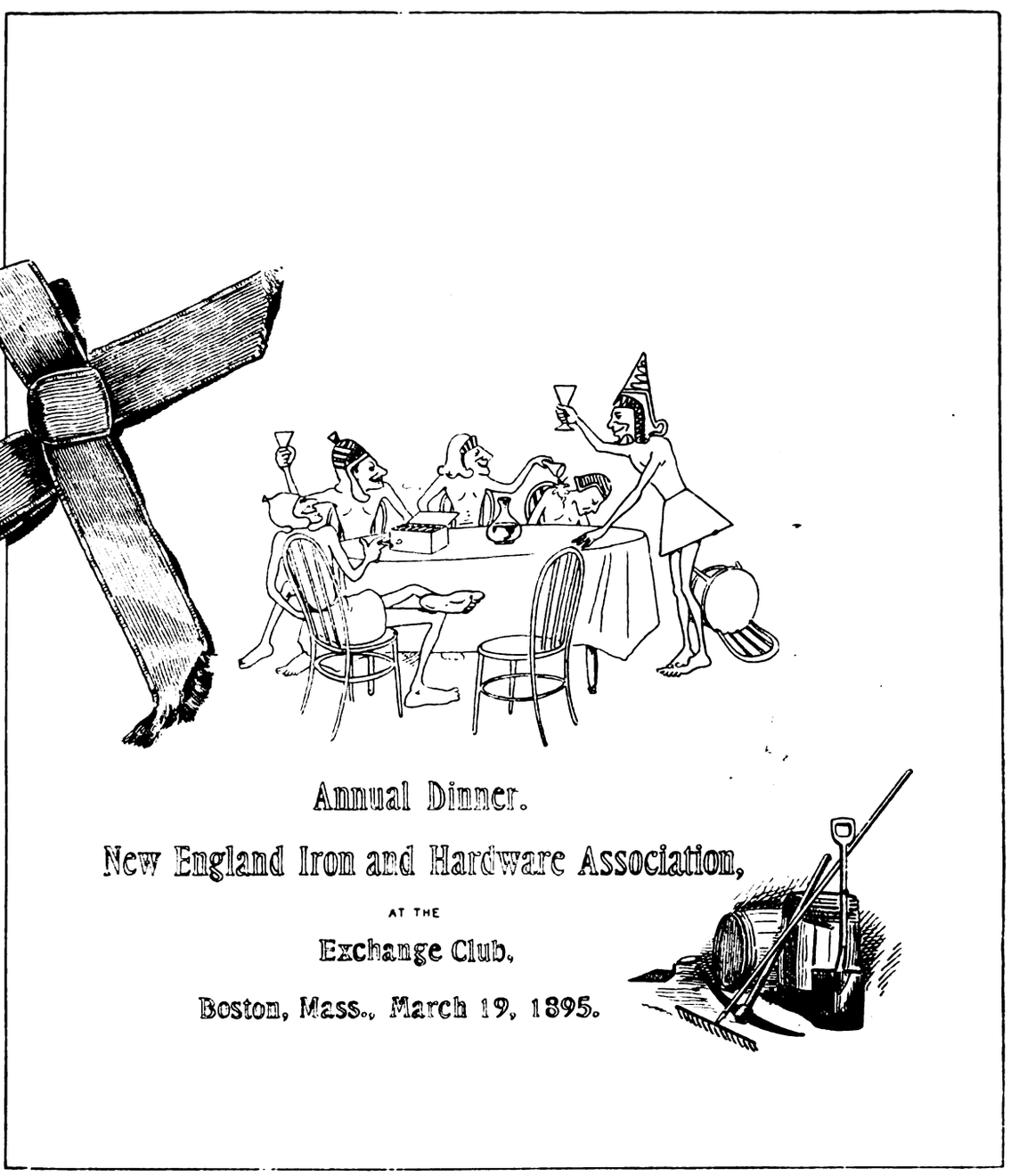
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I trust no one will ask me to-night if our local club is still in force; and if not, why not? If I should be asked the question, I would be compelled to answer in the negative, but I could give no good reason why the club fell into pieces, unless it be that a feeling of jealousy has grown up in our midst, caused by an impression on the part of some of the larger firms that at equal prices, the smaller houses were given a prominence before the trade to which they were not entitled.

I am frequently impressed that jealousy and personal spite are very potent factors in selling goods in these days. The desire to prevent a competitor from making a living profit on his goods seems to be as much desired as it used to be to make a handsome profit for oneself. This is a "dog in the manger" feeling against which every man who does a legitimate business should set his face. Personal spite is the result of unscrupulous competition, and unscrupulous competition comes from a selfish indifference to the rights of others. Local Associations should be encouraged, if for no other reason, because they will restore the good fellowship which once characterized the Hardware fraternity.

There is no reason why two Hardwaremen should meet on the street, and if they speak at all, look as if a bad taste had been left in their mouths. (Laughter.) In some places I could mention, the members of the different houses do not speak when they meet on the street. We have not carried it so far as this in Nashville, and while our Association was in force there was a marked improvement for the better. It reminded me of the good old times long ago, when there was a cordiality of manner, and a look in the eye that carried conviction that there was no malice. They say I am not "up to date" and call me "'way back Buford" (Laughter), but I sincerely wish that there were as many things to attach one to the business now as there have been in the past. Let us get back to those good old days as soon as possible.

The meeting of the local clubs furnishes an opportunity for interchange of thought and comparison of methods, which are frequently very beneficial. Then again, the members can charge each other with any sharp practices which may have been perpetrated, and can then and there lay the blame on the poor traveling men. The traveling man is an autocrat, but he is not to blame for many of the things with which he is charged. He, in most cases, merely reflects the demoralization which exists in the office of his



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employers. Having been a traveling man myself, I am disposed to be very lenient towards his faults, but I must confess that some of them can find ways to make us swear enough in a week, to keep us on our knees for a month at least. (Laughter.)

If the dealers will meet together and be honest with each other, I have no fear for the result.

Manufacturers have not been blameless, and have added their full share to the demoralization by allowing jobbers to dictate prices and terms to them. They should have learned before now that no matter how low they may make prices, they cannot sell all the goods, and if they break a price, some other manufacturer will cut off another slice. Whenever they call a halt and stop cutting prices, the first step towards a better condition of things has been taken. I would not have you regard me as a pessimist, for indeed I am not one, but I have often despaired of ever seeing the Hardware business worth doing again. I have seen the time when, if I had an enemy and wished him harm, I would have procured for him an interest in the Hardware business.



VICE-PRESIDENT A. M. WILEY.

Nothing but a funeral or a sheriff sale would ever release him.

We of the South look to you for our methods in business, and we look to you to evolve some means by which we can get ourselves in position so we can enjoy the good time which is coming, about which Mr. Williams will tell us directly. Maybe you can tell us how we can sell goods at cost and make money. We have worked on the lesson diligently for more than two years, but I am afraid we will be like the horse which had been taught to live without eating—he died just as he had learned his lesson. But, gentlemen, this condition need not continue. The "light already begins to shine through the clouds," and if we will work together and forget our selfishness, everything will come out all right and we will again be proud of our chosen line. The main thing we will have to do will be to be sure and get first cost for our goods.

Before leaving home some of my friends said "don't talk of the war or politics in Boston," because the people there do not think as we do on these subjects, but a sentence in one of Adams' letters opens the way, and I shall disregard the advice. Because we differ in our opinions on any given subject, I see no reason why we should not discuss it dispassionately, and be as good friends after as before the discussion. (Applause.)

I want to say here, that I have never had any patience with many of the prejudices which were entertained in both sections of our country about the people in the other. My frequent visits North during the last twenty years, and a very pleasant business relation with many Eastern manufacturers and business firms, has taught me that there was never any foundation in fact for the old belief which was current in the South when I was a boy "that a certain man was as cold and selfish as a down East Yankee." Reserved and undemonstrative he may be, but I have always found that he has a heart as warm and generous as that which beats in the breast of any living man. (Applause.) If I had come to Boston, firm in my conviction that the old saying was true my reception here to-night would have obliterated it entirely.

The trouble between the North and South has always been that they see too little of each other. If we knew each other better we would like each other better. I have never known a Northern man who came South, unless he was a fanatic or a politician, who did not acknowledge that his prejudices had been removed, and the same thing is true of the Southern man who goes North.

It is of the war that I most want to talk to you to-night, to say to you that in meetings like this, you are doing a missionary work, which is far more effective than all the sermons that have been preached since the close of the war.

The people of the North have always misunderstood the position of the Confederate soldier toward the Union. I was a soldier in the Confederate Army from the day Mr. Lincoln's proclamation was issued calling for his quota of troops from Tennessee, until Gen. Johnston surrendered the remnant of his army at the close of the war at Salisbury, North Carolina.

This service taught me to respect the courage of the Northern soldiery, and I hope, and believe, that we taught them the same lesson. (Applause.)

When I laid down my musket and took up the duties of the citizen, I did so with the understanding that the past was buried, and I thank God that I brought home with me no bitterness—no desire for revenge. I number to-day as many friends among the men who wore the blue uniform as I do among those who wore the gray.

I am not here to-night to discuss the constitutionality of secession. I do not know—nor do I care now—what the merits of the question were. What interests me most is that the question is settled—settled forever, and the word "secession" has been abolished from our vocabulary. (Applause and cheers.) You do not rejoice more over the sentiment than we do, nor would you do more than we will (if it should ever be necessary again) to preserve the integrity of the Union. (Applause).

My State being one of the border States was opposed to secession, but when the war was declared we were forced to take one side or the other. Our friends and property were all in the South, and we did not hesitate to cast our lot with the people of the South. Our brother was in trouble, and we did not stop to ask who was in the right, but went to his aid, and in my opinion we would have been unworthy of the name of American if we had done otherwise. (Applause.)

I gave four of the best years of my young manhood to the cause, and I have never seen the time or place when it was necessary to blush for what I did during the war, or to apologize. We did then what we believed to be our duty, and we believe so yet. How well we did that duty, some of you can bear testimony. Call us rebels—traitors—if you will, but I maintain here to-night that no soldier ever offered up his life for his country who was actuated by higher or purer motives of patriotism, than were the sol-

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diers from the section which I represent. No fanatic, no mercenary would have endured hardships and dangers for four long, bloody years without murmuring, as did the Confederate soldier. Now did any army ever endure such privation for so long a time? (Applause). This beautiful menu, ample and delicious as it is, has not afforded me half the satisfaction I have on more than one occasion enjoyed while eating an ear of raw corn snatched from the caisson of a passing battery of artillery. The true history of our difficulties has not yet been written, and I doubt if it ever is.

It may give you some idea of the inequality of the struggle when I tell you that if all the troops which were enrolled on each side during the war (2,700,000 on the Federal side and 600,000 on the Confederate side), had been drawn up in opposing lines of battle, there would have been enough of the Federals to have placed an army of 600,000 on all four sides of the Confederates, and still have left a reserve (300,000) half as strong as the whole army of the confederalty. Yet with this difference staring us in the face we struggled on through four long years.

You may differ with us on this question, but you cannot donbt our honesty of purpose as we offered up our lives as an evidence that we thought we were in the right. (Applause.)

Nor have we ever murmured at the result. We took our cause into aur own hands and lost, and have accepted the result in good faith. Secession is settled forever, and I declare here to-night that it is worth all the treasure of blood and money which it cost to set at rest a question which would have constantly arisen to vex us. (Applause.)

The greatest need of the country is a strong government. You cannot make it too strong for us in the South. There should be a standing army of at least 100,000 men, and it should be not only the privilege but the duty of the general government regardless of State rights to step in, no matter what the disturbance may be, riot, mob or strike (applause), and teach the lawless element that liberty does not mean license. In no other way can the demoralization produced by weak and unscrupulous officials be neutralized.

Looking back over the past thirty years of peace, I say as God is my Judge, that if I could by signing my name effect a separation of the two sections I would not do it. Standing in Boston, the "Cradle of Liberty" under the shadow of your glorious monument, I declare with pride that the soldiers from the section I represent concede to no people of the United States a greater love for the Union than we feel, and we will do as much to preserve it. Our forefathers fought side by side with yours in the war for independence, and left us an equal legacy in Bunker Hill and King's Mountain.

If the time should ever come when it would be necessary for the United States to call upon her sons to take up arms in her defence, you will see that we mean what we say. You will march to the tune of "Yankee Doodle" and we to that of "Dixie," but our aim will be the same—the maintenance of the rights and liberties of the American people as symbolized in our common flag. (Applause.)

This night will always remain with me as one of the pleasant memories of my life. I shall never cease to thank you, and to congratulate myself that I did not decline, as modesty prompted me to do. If, when the last roll has been called, and taps have been sounded, I should find the "Pearly Gates" closed to me, I shall not complain if I shall be allowed to sojourn in Boston. (Laughter.)

The next address was that of Hon. Asa French, of Boston, who was a member of the Alabama Claims Commission, and was therefore eminently fitted to speak upon the subject of "Arbitration and Conciliation." His address was as follows:

SPEECH OF HON. ASA FRENCH.

Mr. President and Gentlemen: Upon the receipt of your very complimentary invitation to be present on this interesting occasion, I was much embarrassed in finding any good reason for trespassing upon your hospitality. My profession, unfortunately, has not helped to familiarize me with Iron and Hardware to any great extent, and of course I cannot be expected to instruct experts upon those subjects. But upon the assurance of Col. Adams, the gentleman of your committee who conveyed the invitation, that any subject of remark however foreign to the trade, would be acceptable here, and that at any rate I was certain to have a good time, in regard to which I had no misgiving from the outset, I ventured to accept. Whether he intended that the assurance should be taken without qualification, or with reference to the possible condition of the members of the association present after such a banquet as has been spread before us, you can judge as well as I.

It occurs to me that there may be one bond of union between us, although a little remote. My first ancestor in this country settled in Braintree in 1634, and I now occupy a portion of the tract of land then granted to him, and



JUDGE ASA FRENCH.

which has remained in the family in direct line ever since, and I may fairly claim to be "to the manner born."

Now, within the limits of the present Braintree, in this State, originally including Quincy on the north, and Randolph and Holbrook on the south, was erected the first iron foundry in this country. The company was formed in England in 1642, and was called "The Company of Undertakers (rather a significant term, that,) of the Iron Works." It was the result of a careful search throughout Maine, New Hampshire and Massachusetts, by John Winthrop, jr., agent of the company, and afterwards governor of Connecticut, for the fittest place to establish the iron industry, and he finally gave the preference to Braintree. It is painful to record that for some years, at least, the undertaking did not prosper, and that one of the greatest troubles came from "unruly workmen," as they were styled. So history repeats itself, and in the disorderly conduct of the men at the first iron works in Braintree in 1647, may possibly be found the germ of the labor troubles two centuries and a half later.

I have not the time nor you the patience to go into details, but the fact can be demonstrated, and hence every iron and Hardware manufactory in the United States must trace its lineage back to that little iron foundry in Brain-

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tree. And from this incident will you not permit me to claim a sort of kinship with the representatives of those trades who make up the membership of this association, and others of a kindred character?

But what, you will naturally ask, has all this to do with Arbitration," which is the subject set against my name among the topics assigned for different gentlemen to speak about.

It not infrequently happens in my profession that the arguments addressed to court or jury, in a given case, have very little or no application to the real question in issue, of which this preface of mine may be taken as an illustration. A suggestion was made that the fact of my connection with the Court of Alabama Claims, as one of its judges, beginning in the spring of 1882, and ending December 31, 1885, the adjudications of which, as you know, were the culmination of the second treaty of Washington, which provided for the settlement by arbitration of all questions of dispute between this country and Great Britain, and especially of those growing out of the attitude of England towards this country during the War of the Rebellion, might afford a suitable topic for my talk on this occasion. Not, however, after the example of the man who said that when he told a story he put it so far back that there was nobody old enough to contradict him. We are not dealing with ancient history, and yet it is thirty years since the close of our civil war, and more than twenty years since the Treaty of Washington was ratified, and it may well be that there are those present who, while they are familiar with the general events which occurred during one of the most important and trying periods in our national existence, are not conversant with their details, and do not know how narrowly we escaped from a war with the mother country, the consequences of which no one could have predicted. Next to the settlement of the Northeastern boundary question by Mr. Webster, then Secretary of State, and Lord Ashburton, under the First Treaty of Washington, signed August 9, 1842, and perhaps even paramount to that, this must ever stand in our history as one of the greatest triumphs of peace. My duties required of me a careful study of the events which led to this peaceable adjustment. Bear with me a few moments while I give a brief summary of them.

One of the first acts of the British Government, which was almost universally regarded here as unfriendly, was its early recognition of the Southern States as belligerents. Its inevitable result was claimed and proved, to be to encourage the Confederacy in their attempt to destroy the Union. This recognition was brought about by the concurrent action of Great Britain and Emperor Napoleon the Second. But so careful was the latter to prevent the building and fitting out of vessels within the territory of France to prey upon our commerce, that when the war ended we had no cause of complaint against that government for breach of its international duties towards our government. It was far otherwise in respect to England. The sympathies of the nobility and ruling classes of that country were, almost without exception, with the South. The Liberal party was then in power headed by Earl Russell, Lord Palmerston and Mr. Gladstone, all of whom in their public and private utterances, declared their belief that the North could not succeed. Thus encouraged, the Confederate Government established agencies in London and Liverpool, and began the work of building and fitting out cruisers, whose sole purpose was to destroy and drive from the seas our merchant vessels. In this they were assisted by ship builders in Liverpool and elsewhere within the British dominions, who resorted to every artifice and deceit to carry out their purposes—and with a government which showed itself only too ready to wink at such proceedings, the task was not difficult.

Under such favorable conditions there were built and fitted out in British ports, among a number of other vessels designed for depredations on the high seas, the notorious *Alabama*, commanded by Captain Semmes; the *Florida* and the *Shenandoah*, which sailed without molestation from those ports flying the British flag until their safety was assured, when the Confederate flag was substituted, and was thereafter used during their subsequent maurading careers, which continued to the close of the war. They captured a great number of American vessels, which, as there were no Confederate ports where they could be taken for adjudication, were destroyed, together with their cargoes, to an enormous value. Fortunately, the representative of our government at the Court of St. James during this period was Mr. Charles Francis Adams, who displayed ability, sagacity and courage under the trying circumstances of his position, such as entitle him to rank among the most conspicuous figures in the history of that memorable struggle. (Applause.) But his remonstrances, his presentation of evidence to show, while those ships were in process of construction, that they were designed for the Confederate service, made no impression whatever upon minds already closed to such appeals. At last he addressed a



SECRETARY F. H. BUTTS.

note to Earl Russell, in which, after arraigning the government for its past delinquencies in permitting the Confederacy to use the soil of England and her colonies as a base for sending out predatory expeditions against a power with which England was on friendly relations, and calling his special attention to two more vessels then nearly completed and intended for the same service as the *Alabama*, he used these words, worthy to stand by the side of the boldest revolutionary utterances of his great ancestor, John Adams:

"It would be superfluous in me to point out to your lordship that this is war. No matter what may be the theory adopted of neutrality in a struggle, when this process is carried on in the manner indicated, from the territory and with the aid of the subjects of a third party, that third party to all intents and purposes ceases to be neutral. . . . In my belief it is impossible that any nation, retaining a proper degree of self-respect, could tamely submit to a continuance of relations so utterly deficient in reciprocity. I have no idea that Great Britain would do so for a moment."

Bear in mind that this was addressed to the Secretary of

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the Cabinet having charge of the foreign relations of the most powerful nation on the face of the globe, on the fifth of September, 1863, when gold was selling on Wall Street at 131, and before our armies had achieved any decisive victories. (Applause.)

It is gratifying to record that just three days after the date of this note, Mr. Adams received the following reply:

"Lord Russell presents his compliments to Mr. Adams, and has the honor to inform him that instructions have been issued which will prevent the departure of the two iron-clad vessels from Liverpool."

One good thing can always be said of our English cousins, they admire pluck even though it be directed against themselves.

But I am making a tiresome address out of what was originally intended to be only a brief talk, and must hasten on.

At the end of the war, the losses of our merchants from the depredations of the Confederate cruisers became the subject of a claim against Great Britain for failure to perform its international obligation towards this country.



TREASURER C. H. BRECK.

This resulted in the meeting of the Joint Commissioners, at Washington, out of which, as I have before said, came the second treaty of Washington, which provided for the settlement by arbitration of all matters in dispute between the two governments, and especially of the claims generally designated as the "Alabama Claims," so called from the principal Confederate cruiser of that name. The Board of Arbitration consisted of five members; one named by the United States, who was most fittingly selected, Mr. Charles Francis Adams; one by Great Britain, Lord Cockburn, its Lord Chief Justice, and one each by the King of Italy, the President of the Swiss Confederation and the Emperor of Brazil. They met at Geneva, and after considering the evidence and most exhaustive arguments on both sides, on the 14th of September, 1872, awarded by a vote of 4 to 1 (the British arbitrator dissenting), that Great Britain should pay to the United States the gross sum of $15,500,000 in gold coin, at Washington, within one year from the date of the award. This award was based upon losses accruing from the destruction of property belonging to our citizens, by the cruisers *Alabama*, *Florida* and *Shenandoah*. All other claims were either withdrawn by the United States from the consideration of the arbitrators, or were disallowed by that tribunal.

An interesting episode occurred in regard to the transfer of so large an amount of gold at one time from London to Washington. Its weight was over twenty-eight and a half tons. But that was a trifling obstacle. Anxiety was felt among bankers and others that it might affect, temporarily, the exchanges and other business relations between this country and Europe. The anticipated difficulty was obviated in a very simple manner. The government was at that time engaged in calling in for redemption its five-twenty six per cent. bonds of the loan of 1862, and issuing in their stead, five per cent. bonds of the funded loan under the Act of 1870. In June, 1873, the treasurer issued a call for $20,000,000 of the '62 loan, most of which was held in Europe, and special notice was given to the parties employed by Great Britain to effect the transfer of the Geneva fund, that they might deposit these called bonds and overdue coupons with the officers of the Treasury Department sent to London for that purpose, who would apply them to the payment of this sum due to the United States, giving certificates therefor from time to time as the bonds were surrendered. Before the amount became payable under the award, there had been deposited to its account in the treasury, or with its London agents, the whole $15,500,000, the certificates received therefor were all delivered up, and one coin certificate for the entire amount was issued, payable to the order of Messrs. Drexel, Morgan & Co., Morton, Bliss & Co. and Jay Cooke & Co., the agents of the British Government, who endorsed it to the joint order of the British Minister at Washington and the Acting Consul General at New York, and they in turn endorsed it to the order of the Secretary of State, Mr. Hamilton Fish, in full satisfaction of the Geneva Award. And so the whole matter was settled without the smallest financial perturbation. Mr. Fish subsequently endorsed this certificate to the Secretary of the Treasury, from whom he received a gold bond of the funded five per cent. loan for the same amount in trust to await the future disposition of Congress. The entire sum, with accrued interest, was subsequently distributed by the Court of Commissioners of Alabama Claims, not only among those who suffered direct losses by the cruisers named in the Geneva Award, but also to those whose property had been destroyed by other Confederate cruisers, and to the payers of advanced insurance premiums on account of war risks, the latter receiving a pro rata dividend amounting to something over thirty per cent.

Mr. President:

"Peace hath her victories
No less renown'd than war."

Underlying the bitter feeling which had been engendered in this country towards Great Britain by the acts to which I have referred, there was a strong desire that the disputed questions might be brought to a settlement without war, a feeling which was earnestly reciprocated on the part of the mother country, and out of it grew this peaceable adjustment. It was a victory which will stand in history by the side of that which had its consummation in the surrender at Appomattox. (Applause.)

REMARKS OF R. R. WILLIAMS.

The next speaker was R. R. Williams, Hardware editor of the *Iron Age*, New York. Because of the lateness of the hour, the speaker did not enter into a formal presentation of his views upon the subject assigned him, but in a semi-humorous and very pleasant manner, touched upon points called forth by speakers preceding him. He related several anecdotes of an interesting character, gave the Hardwaremen present some good advice on points connected with their trade, and in conclusion said: There was a time when the seas were dotted with the sails of our commerce. There were times when country came before party, and I believe we shall see them again. The financial question will be settled, and settled right. One of these days we

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will have business men in Congress. (Applause.) Let us see to it that the right men are sent to Washington. The Republican party and the Democratic party ought to think more of the welfare of the country than of getting each other into the hole. We want to hasten the good times, correct bad practices, and let us all take a cheerful view of things. Put fear behind. Let us take the good that comes to us and make the most of it.

"The Army and the People" was the speech assigned Capt. John Bigelow, jr., of the United States Army, who handled his subject in the expressive and entertaining manner presented below:

CAPTAIN JOHN BIGELOW ON THE "ARMY."

Mr. President and Gentlemen: When invited to address you I could not but feel that this compliment was paid me as an officer of the army rather than as a private individual. I was especially pleased at the presumption it created in my mind that you are more or less interested in the army, and so, being allowed to choose my own subject, I allowed my professional self-esteem, together with my good will towards you, to make me responsible for the toast: "The Army and the People."

The army of the United States is unique in many respects, but in none is it so notable as in the degree of its isolation from the people. There is no other army of a great people that is so little seen, so little known, so little cared about by those who pay for its maintenance and depend on its efficiency as ours. The only other army that comes anywhere near it in these respects is the one to which we are indebted for the groundwork of our military institutions, and moreover for the first occasion to put them to a practical test—that of our mother country. The armies of the continent of Europe are made up of the people. The German army is closer to the German people and better known to it than is the militia, for instance, of Massachusetts to the people of Massachusetts.

The singular estrangement between our army and our people is attributable to a number of causes. There is, to begin with, the remoteness of many of our garrisons from the great centers of population. This is being remedied by the gradual consolidation of military commands at points on or near the railroads, accompanied to some extent by the recruiting of regiments from about these points. This local recruitment cannot fail to create an interest on the part of particular communities, not only in their respective regiments, but also in the army at large.

There is the traditional distrust of the army as a danger to liberty. The army, it is said, is lacking in sympathy with the people. The army has never shown a lack of sympathy with the people of the United States. It has indeed shown itself unsympathetic towards communities. It did not, for instance, respond sympathetically to the grievances of the Pittsburg or of the Chicago rioters.

The strong point of the regular army as a police force is its freedom from local interest or attachment, its readiness to shoot at one mob as soon as at another. And yet the regular soldier feels as warmly for the people as a whole as any militiaman feels toward the people of his State. It would be as hard to march the regular army against the people of this country as it would be to turn the militia of any town or village against the people of that community. (Applause.)

How, you may say, about those who went with the South in 1861? They were not the army. They were a small proportion of the officers, and, so far as I can learn, there was not a single enlisted man to follow their example, not a private or a corporal or a sergeant who did not stand by the flag of the people whom he had sworn to defend against all their enemies whomsoever. (Applause.)

People who suffer from lack of sympathy on the part of the army are a small portion of the people of the United States. This people of ours is not a union, or a brotherhood, or a petitioning army; not a company or other corporation; not the people of any class, order, or condition, or of any section, but all the people of the entire country. That is the people with which the army sympathizes, the people for which its heart beats, and the only one. (Applause.)

There is the popular unconcern as to our military establishment, due to the idea that we are safe against aggression. An attack upon our country does seem improbable, but, gentlemen, is it impossible? Granting that there is no single nation that would attempt it, is there no possible combination of nations that might? Can we afford to take any chances in the matter of our national honor, our national existence? You are thinking, I dare say, of our past successes of arms, of our peaceful foreign policy. Our military annals are a just source of pride to us, but they are also, it seems to me, a kind of misfortune. They are peculiarly fit to deceive a people as to its military strength. Our school histories should teach us that we were favored in our war of independence by a combination of political folly and military incapacity on the part of the enemy such as we can never hope to realize again; that the war of the rebellion would have been disastrous to us had the enemy been a military people. Our peaceful policy I regard as a invitation to attack, rather than a protection against it; our non-intervention as a forfeiture of friendship, rather than a bar to aggression. Far be it from me to depreciate our policy of abstaining from entangling alliances; but if we never help others, others will never help us. We must be prepared to take care of ourselves.



CAPTAIN JOHN BIGELOW.

Do you trust to the justice of your cause and say, There is a just God, who preserved us and made us a nation. It is precisely because God is just, that I say, do not leave it to him to fight your battles. If I believed that God would protect a nation from the consequences of a willful and deliberate neglect of the means of self-defence I could never believe in divine justice. Such intervention as Providence may have vouchsafed us in the past was due, not solely to the justice of our cause, but to that coupled with our faculty of relying upon ourselves. (Applause.) If our forefathers defended our country as the Chinese of to-day are defending theirs, God Almighty, I reverently believe, would not have raised a finger to help them. "God helps those who help themselves."

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Philanthropists may tell me of the brotherhood of men, the citizenship of the world, and all that; they only make me think of Carthage and Poland and Hungary. I shall believe in a world citizenship when I find myself living in a world empire, a world nation. I wish that the parliament of man may be realized, and furthermore I believe that it will be; but I have no sympathy with those who are striving to convince the world that it is realized. All honor to those who are conscientiously working for its realization; let us encourage them and do what we can to assist them (applause); but let us not anticipate their success.

Great things are expected of arbitration, but the most earnest advocates of this remedy for war, recognize its uncertainty. They admit that questions may come up between nations which are not fit subjects for arbitration, which can be settled only with the sword. Again there is no effective sanction for the decrees of arbitration. There is no real assurance that the parties to a case will abide by the decision, that they will not go to war in spite of it. Arbitration that does not avert war is not my notion of arbitration. It ought, I think, to be given a different name.



REV. A. A. BERLE.

For nations to agree that they will submit their disputes to arbitration with the understanding that they may go to war afterwards, if they want to, is like two contending base ball clubs, who should agree upon an umpire with the understanding, that if they do not like his decisions, they may have a free fight. Arbitration reduces the frequency of war; it does not prevent it.

Our army then is a necessity, not only as a police force in time of peace, but also as a nucleus for a greater army in time of war. At present the army is appreciated as a guard for our frontier settlements and Indian reservations, and as a force that rioters respect. (Applause). It is well thought of as a source of Indian agents and of instructors at military colleges; it has even been looked upon as a pattern for a city police, and as a national school of forestry; but who thinks of it as a nursery of military talent and virtue for another grand army; as a leaven for a new rank and file; as a corps of organizers, instructors, and leaders for the youth of our land in a future war. Who concerns himself as to whether the army is so governed and administered as to realize these forms of utility?

Flings are made at the army on the score of conservatism, red tape, idleness, snobbishness, etc. There is much in the army that is not as it should be, but, gentlemen, you are masters of the army. If it is not good enough for you, why do you not make it better? Consider how much of your time and thought you devote to it, and then ask yourselves whether it is not on the whole as good an army as you deserve to have. (Applause.) If you thought about the army as much as the army thinks about you, you would have a vastly better army than you have. (Applause).

Many and many is the day that I have seen roll around at a frontier post, without a drill or any other military exercise, wishing that my company commander would give me something of the kind to do. I would wonder why the post commander did not require him to, but knowing the post commander, I perceived why; and wondered why the department commander did not require the post commander to have drills. I made a guess at that, and asked myself why the general commanding the army did not get after the department commander? My conclusion was that the general of the army did not have to. "Well," I said, "why in the world does not the Secretary of War stir him up?" On reflection, I replied: "Because the people do not care whether he does or not, and it will not do for the Secretary of War to be more military than the people."

Gentlemen, the army needs your attention. It is only human. As a company, as a post, needs the regular visitations of an inspector, the military service, as a whole, needs the occasional scrutiny and intelligent criticism of the people. I am in favor of a congressional committee on the conduct of military instruction. I believe that if we kept such a body at work in time of peace, our armies would need less sitting on in time of war. (Applause).

I have made you a jingo speech, and confirmed some of you, no doubt, in the belief that all soldiers are alarmists and grumblers, but I am not so conceited as to believe that my thoughts will influence yours. I am contented with having shown you how one of your military servants thinks and feels, and hope that I have said nothing that the army could not endure. At any rate, I know that I speak the sentiment of the army, when I thank you for the honor of being here as its representative, and being so patiently and attentively listened to.

Now is the time for me to sit down. I only want to say in conclusion: Look to the army; think of the army; think of it well; and, despite its faults, you will think well of it. (Applause).

Rev. Adolph A. Berle, pastor of the Brighton Congregational Church of Boston, had been assigned the toast, "A Brass Foundry in the Wilderness," but because of the lateness of the hour, he paid very little attention to his subject, and after a few minutes devoted to compliments and hits at the expense of the preceding speakers, he gave the Hardware men of this country some good advice in the following words:

ADDRESS OF REV. MR. BERLE.

Mr. Chairman and Gentlemen: One fact must have become indelibly impressed upon the minds of all here present this evening from the speeches which have been made already. That fact is that the interdependence of men engaged in similar lines of business is becoming increasingly apparent, and must have a growing influence upon the business thought and life of every man who expects to be successful and at the same time retain the regard and respect of his fellow man.

The commercial conditions of recent times have taught us with an emphasis too unmistakable to be lost sight of that, after all, the Golden Rule is also good business policy as well as good religion, and that with the rejoicing of one all rejoice, and with the suffering of one all suffer. More than ever before, men must know and appreciate and sympathize with the conditions under which their competitors do their business, and recognize the common difficulties

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which they encounter and the common vicissitudes which overtake them under the same conditions.

Commercialism has in the present aspect of the case a grave danger lurking in it. That danger is the loss of the manhood and the high-hearted qualities of genial, kindly culture and friendliness which mark the genuine well-rounded and developed man. Cutting prices leads to cutting men, and sooner or later, according to the severity of the tasks imposed, the man is lost, and becomes merely one unit on the great commercial machine in which he has no part other than to engage in the fierce strife for the survival of the fittest and the destruction of the weakest.

In the midst of the struggle the finer senses remain uncultivated, the higher movements of intellect and reason become unknown, or at best only dimly apprehended, and the man becomes business first and last and only business. He represents his trade and that alone. Instead of controlling his vocation it controls him; and the man, the essentially free developing and growing man of culture, intelligent living and broad humanity, has been swallowed up and lost.

There is another phase of the commercial trend of our life which needs attention from every thoughtful Hardwareman. The latest reports from the commercial agencies show that the failures in business during the last four or five years were very largely from moral causes. It may fairly be claimed that more than one-half of all such failures are due from moral delinquencies of one kind or another. Add to this fact the enormous wastes by defalcation and the criminal malfeasance in office of public officials, we see a waste so enormous as actually to be an important factor in the business conditions of our country. What we need and must have is a thorough-going moral renovation of the commercial life, which shall bravely and fairly call things by their right names, and call a halt in this enormous waste of money and men. It was bad enough to see the large number of failures from lack of capital, disaster and incompetency, but it was and is depressing to see the increasing percentum of failures from dishonesty and kindred causes.

You gentlemen of this association, representing as you do intelligence to a superior degree, must be in the vanguard of this new movement for a purer commercial life and a larger manhood. It will take bravery and a high-hearted courage. You will be assailed and will be the target for many a reproach. But I cannot give you any more signal watchword for the battle for commercial honor and integrity than that which our own poet Lowell has written:

> "I honor the man who is willing to sink
> Half his present repute for the freedom to think;
> And when he has thought, be his cause strong or weak,
> Will risk t'other half for the freedom to speak;
> Not caring the vengeance the mob has in store,
> Be that mob the upper ten thousand or lower."

In you, therefore, gentlemen, I hail the coming new man of commerce, without fear and without reproach, of integrity, honor and purity. (Applause.)

"Iron in the Blood" was the topic assigned Webster R. Walkley, of New York. It is needless to tell those who know Mr. Walkley, that the address was eloquent, and full of evidences of close, patriotic thought. It was received with many marks of approval, and is here given in full, as follows:

ADDRESS OF HON. WEBSTER R. WALKLEY.

Mr. President and Gentlemen, Fellow Toilers in the World's Great Workshop: To dare to speak in cultured Boston, in the shadow of Bunker Hill, and at a dinner of the New England Hardware Association, tries one's soul. Here wit is sparkling and effervescent. Here brain is weightier than coin. Here worth and true merit are estimated at their real values. Here shoddy and sham are at a discount. Here the streets are narrow and crooked, but the men are broad and straight. Here character is builded upon solid foundations, and the hurricanes and cyclones of the passing years, yes, centuries, have failed to shake or overthrow the structure of manhood that bears illustrious names. Time brings decay; old buildings are moss-covered, their walls crumble and the very rooms once inhabited by the grace and beauty of living human forms, are now the dwelling-place of bats and owls. But Boston is ever young, It shows not the marks of time or decay. Names once honored are still revered. The virtues of your fathers are your virtues. The heroism that made possible Bunker Hill, that threw the tea into yonder Bay, that tore kingly charters into fragments and stamped royal edicts beneath its feet, is a living force to-day. It has not lost one jot or one tittle of its power. It is not an extinct flame. A breath of treason or disloyalty would kindle a mighty fire, which would sweep over the hills and through the valley of the Old Bay State, consuming and destroying every hand lifted against the liberties of the people.

I have always loved Massachusetts. Its history has been a delightful study, a thrilling romance of affection and patriotism. The courtship of Miles Standish, the burning of witches, the battlefields of the revolution, the founding of



HON. WEBSTER R. WALKLEY.

schools and colleges, the rugged men with consciences into which were burned the decrees of Calvin, with minds that compelled action and thought, with hearts impressed and impressionable, loving and lovable, with hands that dared to build and to tear down, to construct and to destroy, to do and to dare, to fight and to conquer, men who saw victory in defeat, and in the darkest night ever looked to the coming morning, are each and all themes of reflection and study.

I am New England born. "I love its rocks and templed hills." Two summers ago it was my privilege to accompany my aged mother to Boston. Though past the allotted years of three score and ten, she accounted it a great joy to visit this city. Having passed her life in an adjoining State in humble life, without opportunity to travel, Massachusetts and Boston were to her as distant as is Jerusalem from most of us. I recall her anxious inquiries, the pleasures of the hour, and what delight it gave me to show her yonder monument of granite, commemorating the noble deeds of noble men. We walked through the classic grounds of Cambridge and the shaded avenues of Mount Auburn. We sat beneath the old trees that adorn your historic Common.

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These were days that will long live in memory, enchanted, red-letter days, perfumed with the aroma of delight-giving to another. The day of departure came. We were in a carriage to take us to the station, when she begged to be driven down to the wharves, that she might look out upon the Bay—Boston Bay. It was not her desire to look at the shipping. She cared nothing for the value of cargoes. She wished to form no estimate of our commercial relations with other nations, but simply to look out upon the Bay whose waters were rippling in the sunlight of that afternoon as they danced beneath the same sun more than a century ago, when brave men, by a single act, kindled the beacon fires of American liberty. How often have I heard her say since that hour how she wished she had taken home a bottle of water from Boston Bay. She would have prized it more than pilgrims do the waters of Jordan.

I pause, for I begin to touch my theme—the Mothers of Massachusetts, of New England, of the World. It may not be suggested by the chosen text placed above my name on the menu, but it is the inspiration of the hour, the inspiration of life, the noblest incentive to earnest action.

Life's days are battles; some do victories gain,
Others bite the dust and with heroes slain,
Know not the good they have wrought till Time ends all.
Then in the books we shall read, we find
Their lives were not for nought. Oft through defeat
Come surest victories. Hope fills the cup.
Success pours goblets full of ruby wine,
All joy that victories, not defeats, were thine.

They were heroes, and the sons of heroes. Iron was in their blood. Who? Men in all ages of the world who have dared to think and dared to do. They were heroines, and daughters of heroines. Iron was in their blood. Who? The mothers of brave men, who have fought the battles of Liberty since Time was born. Where? Everywhere, where freedom lives and breathes and has the breath of life.

My theme broadens. Yet the clock strikes the hour of near departure. Bostonians retire early. They love the beginning and the end. This is true, especially of dinners and speeches, if I am correctly informed.

They were heroes; iron was in their blood. Who? That adventurous crew who sailed from Holland more than two centuries ago in the *Mayflower*, but landed in a wintry storm—a hurricane—on yonder bleak and barren shore. From this spot we can almost see the gray rocks as they lift their heads, and defy the wildest ocean's storms, can almost see the white crested waves as they roll and surge upon the desolate shore. It is not a prophetic vision. Human eyes cannot discern the flint and the steel from which sparks shall be struck to enkindle the fires of patriotism and liberty. The keenest vision does not discover the germ of great States, a greater Nation, wide commerce and extended wealth. We cannot even review the history of this brave hearted crew. We cannot follow them in their trials, persecutions or sufferings. We cannot weigh or measure their piety or devotion. We know the result; we know that the influences of their lives and thought have permeated the whole land. We do know that the great tide of immigration that has been flowing to our shores for more than a century has not been sufficient to wipe out or destroy the influence of Puritanical New England. It is deep seated and deep rooted. It grows with our growth and increases with our strength. Why? Because iron was in their blood.

What makes men great? who weighs? what turns the scale?
Is't fortune's breath, or some more favoring gale?
Ay, deeds, heroic deeds, of heart or soul.
These make, create, intensify the whole.
What makes men brave? The soul within that burns,
A conscience clear, that lights, and warns and turns,
And gives us strength to know, to do, to dare,
To hope, to trust, to live the right to share.
What makes men brave? Their thoughts, their lives, their aims?
To love or truth what are a coward's claims?
What makes men great? The truth that lives within;
That grows and spreads and crushes out the sin.

Perhaps, Mr. President, the guests are wondering at my line of thought and are asking themselves the question: What has all this to do with Hardware? There are times when we should talk of our business and our business relations, our prices and trade. I have laid aside my tabulated statements, the figures that demonstrate the importance and position of the Industry which occupies the thought and time of most who are present. I do not care to give you the tons of iron ore that have been mined during the last year or during the last decade, nor the number of miles of railroads that have been constructed. In truth, I have tonight no taste for figures. They seem dry and cold and lifeless. I had rather touch live issues—burning questions; problems of the hour—to handle wires charged with electricity and throbbing with the thoughts of men; for man is more than his occupation, and from thought is evolved all industry. This is an hour when we can well afford to turn from our business to the consideration of questions which affect State, National and Municipal Government. I know that I am standing on historic ground; that the words of America's most eloquent orators have vibrated on the very air that surrounds me. I know that here Franklin was the playmate of lightning and the champion of Liberty. I know that here were marshalled forces in defense of the right and of the truth. I know that here have been gathered a host of men; stalwart men; men with Iron in their blood; men who knew the right, and knowing, dared maintain. My brief allusion to the Pilgrim Fathers was only to show a link in the chain of events. You know in what a forge and what a heat were welded other links. You know well of what material they were made. Time fails me to mention names that are as historic as your battle-fields, and more enduring than the granite that marks the spot where heroes lie. We pass over a century, each decade marked and impressed by the thought and deeds of men who drew their first breath on Massachusetts soil.

As in mountain ranges some snow-capped peak lifts its head to kiss the distant sky, and is viewed from many miles afar, so the sons of the Old Bay State have lifted their heads above their fellow men, conspicuous for the purity of their lives, their devotion to their country and their love of Liberty. If at times some man of thought has seemed to be in advance of his age and race, and for expressed opinions has received the taunts and jeers of the populace, and been forced to leave your soil, the seed of truth he planted generated and grew, and soon he was welcomed back 'mid the thundering of cannon and the plaudits of the people.

Men with Iron in their blood have made our history, have made the history of the world. They are of every race and of every clime. We pass over the War of the Great Rebellion, yet men like Paul had visions and were awakened to do God's will. Men with Iron in their blood made union and victory possible. They were the Lincolns, and Grants, and Shermans and Sheridans—and a host of others, with whom we have clasped hands in our day and generation. The spirit of the Puritan lives. His blood is in our veins. If he was born to deeds of heroism, so are we. We read of great men, we think of great men. We have prayed for opportunity, and lo! it is upon us.

Huge blocks of marble lie uncut
In ancient quarries near at hand,
From which some artist yet shall carve
A statue beautiful and grand
As Phidias wrought, or Angelo—
When Genius gave to art its life
And immortality, and made
The work of man almost divine.
God made the granite and the clay;
Has stored in mines not far away
The Iron and Gold. These wait command
Of brain and thought, a builder's hand.
Then temples rise, cathedrals vast
As pyramids of ages past.

My theme opens before me. I have read only the prelude. You see the hour forbids me to go on. I can only

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allude to the thought that should have been the subject of these remarks—Our Modern Politics. Momentous issues confront us. The very principles that underlie republican government are in danger. Never in the history of our country has there been a greater need of men than at this hour. The question of municipal government is not a question for a single city; it affects the whole land; touches almost every citizen. Do not let us deceive ourselves. The issues at stake affect our lives; our properties; our homes. In no sense is it a party question. It is broader than party, and above party. Over-confident, intoxicated Republicanism may need only plasters and pills, and perhaps will recover soone: than diseased, crippled, and imbecile Democracy, which requires the skill and knife of a surgeon. It is a question of honest government, for honest men, by honest men. Is such a government possible in our greater cities? Can they be delivered from the rule and thraldom of designing men, whose statesmanship is measured by their success in obtaining or awarding office, and the distribution of patronage? Has the day come when men of thought with a high sense of duty and honor are to be thrust aside for some designing politician whose highest aim is personal promotion at any cost? The perpetuity of our free institutions depends upon a just government. The Devil of an insane desire for public plunder cannot be whipped around the stump of expediency or party policy, or party success. It is not a question of supremacy in art, science or commerce. It is not a question of territorial enlargement. It is not a question of wealth or adornment. The real factor in the problem is so to govern as to promote the highest welfare of all citizens. The poor as well as the rich. Our cities are the epitome of the wider world. The storerooms of our activities and industries; the thermometers that mark the rise and fall of public opinion. Here are the influences that mold and shape our national life and character. Interwoven with these questions are others of vital moment to the present generation. Such are the relations of labor to capital; the rights of trusts and corporations: the demands of the working classes; the control of legislatures by railroads; the municipal ownership of trolley lines and telephones, and other questions which your thoughts suggest.

It was a divine utterance that man should earn his bread by the sweat of his brow. Has the hour come when he must toil as others may direct? Is there some power higher than God's power? Has this divine right been taken from us? Has any order or organization a right to tell you or me that we shall not toil for our daily bread except under their prescribed rules? No! a thousand times, no! This divine right still exists. It is above all human orders. Interference with the law of Divine Right cannot, and will not be permitted. Men are free—human will is free. The doctrine of Arminius supplants the doctrine of Calvin.

What is the solution of these problems? How can municipal government—a question that has assumed such proportions within the last year or two—become a just and righteous government? A great tide of reform swept over our metropolitan cities last year. The people were aroused at the flagrant crimes committed under the very shadow of Justice. Law protected law-breakers. The people were robbed in the name of the law. The dominant party met its Waterloo. We await results. The great State of New York—the Empire State—seems to stand hesitating, halting—stunned, at the terrible catastrophe. The City of New York waits for legislative action. It would reap the harvest of its sowing.

Shall Municipal Government be divorced from the politics of parties? Shall it be constructed on strictly business principles? Shall it not be, as we have said, an honest government, by honest men, for honest men?

National issues are not less important. Here great questions are at stake. The representatives of the people seem to be unworthy of confidence, at least in their stature they do not measure up to the requirements of the times. On every hand men are needed with Iron in their blood.

On the frontier in the early days of our history a missionary martyr was burned at the stake. The Indians witnessed the cruel torture. They wondered at the calmness and fortitude of the dying man. They closely watched the expression of his face and the gleam of his eye. His calm resignation surprised them. At last, the charred body seemed to be without life, when the chiefs sprang forward and tore the heart from its body and drank its blood. When asked the reason, they replied that they might have the courage of the white man. If, in our day, there shall be a martyr of Truth or Liberty burned in the fires of Socialism or Anarchy, ten thousand times ten thousand young men will be ready to drink the blood of martyr spirits to make them brave, to defend the same Liberty for which yon sleeping patriots fought and died. We do not despair of the republic, for men, brave men, honest men, men with Iron in their blood, will arise to defend America and her Liberties. (Applause.)

It was well on the stroke of midnight when the exercises concluded. The gathering, taken as a whole, was one of the most entertaining and successful that has ever occurred in any department of trade, and the guests departed full of pleasure over the fact that it had been their pleasure upon this occasion, to spend an evening so delightfully with the iron men and Hardwaremen of New England.

Howard Royer, of Pittsburg, announces that he has taken into partnership Ernest Luft and August Luft, and that the business will be continued under the name of Howard Royer & Co. They announce that after April 1st they will occupy the four-story brick building at No. 305 Smithfield Street, Pittsburg, and will carry a full line of Hardware, cutlery, bicycles, guns and sporting goods.

The hand-book published by the Builders' & Building Supply Dealers' Exchange at Rochester, N. Y., contains much information of great value to those interested in building—the owner, architect and constructor. The information includes the Lien Law, Factory Law of the State of New York and the Fire and Sanitary Ordinances of the City of Rochester.

Electricity has been recently applied to the sealing of cans of fruits and preserved meats. The process consists of the formation of a conductive layer on the lid of the can, when a metal coating is deposited by the usual methods of electro-plating. The same process has been applied to the sealing of bottles of beer, wine, etc.

At the annual meeting of the Fuller-Warren Stove Co., at Milwaukee, Wis.. the following named gentlemen were elected directors: Walter P. Warren and G. G. Wolf, Troy; H. A. Viets, John E. Hansen, William Plankinton, Francis Hinton, H. S. Haselton, George L. Graves and John Johnston, Milwaukee.

It may seem strange to see it announced that an effort will soon be made to introduce graphite paint into England, on an extensive scale. The value of graphite or plumbago, it seems, is not as well understood upon that side of the water as it is upon this.

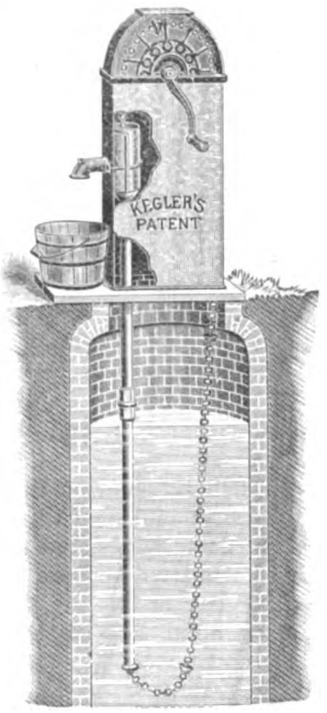
Three tons of platinum are used each year in the United States, in the manufacture of incandescent electric lamps, and other purposes of like character. Fully a ton is also used each year in the manufacture of artificial teeth.

A fire was caused by the fusing of two electric light wires in the wire rope and cable factory of Washburn & Moen, Waukegan, Ill. Only slight damage was caused.

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New Chain Pump.

The Bellevue Pump Co., Bellevue, Iowa, are the patentees and manufacturers of a new Chain Pump, the tubing and curb of which are made of galvanized sheet iron. They explain that "the tubing is very light, fifteen feet weighing only seven pounds, wet or dry, while the same number of feet of ordinary wooden tubing, saturated with water, will weigh over a hundred pounds. Besides being clean, durable and easily operated, it is non-freezing, as the upper sections are made tapering. The different sections are connected by couplings with a leather washer, making



them water-tight and easy to couple together." The accompanying cut shows the tubing attached to an iron curb; it can, however, be used just as well with a wood curb, as the company furnish for that purpose a block and clamp free with every reservoir section or top piece of tubing. The curb, as stated, is made of galvanized iron, excepting the two malleable rims, which constitute the frame. "It weighs ten pounds less than ordinary wooden curbs, and is, of course, more durable and neat in its appearance. For special circulars, etc., address the manufacturers."

The Indiana People on the Rush.

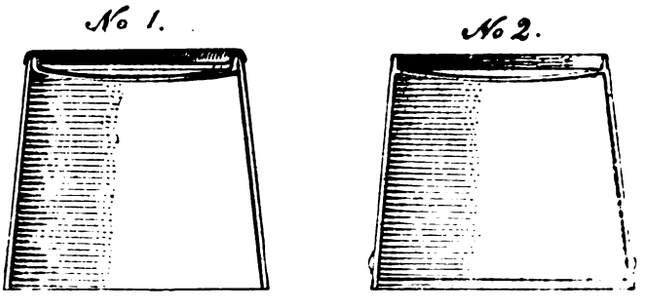
The Indiana Bicycle Co., Indianapolis, Ind., who have been delayed in getting wood rims fast enough to supply their wants, have now completed arrangements so that now there will be no further delay. A week ago last Thursday their assembling department was increased from the sixty machines per day they had been shipping to 107 machines shipped on that day. Friday they shipped 147 and Saturday 203 machines, and expect to reach 250 per day by the middle of this week. As this concern had nearly 14,000 Waverleys all completed ready for assembling, it is pretty safe to count on their trade being promptly supplied. They have recently added a single-tube tire as an option, and will supply it to all of their customers who prefer that style of tire.

Their plan of making the hose pipe is something entirely new, and permits of the tires being vulcanized in open steam instead of in a mould. This process, which has made Waverley tires famous in the past, will probably open a new field for the hose pipe. The company have just completed a new rubber plant, which began operation for the first time two weeks ago last Monday. It is in this new plant where the hose-pipe tires will be made.

The Indiana Co. are assuredly nothing if not progressive. With their immense capacity for building bicycles, two complete rubber plants, and their twenty-six retail branches, "what's to hinder" their cutting a very wide swath in the '95 trade?

Truss Bottom Pail.

The Standard Fiber Ware Co., Mankato, Minn., have just introduced a new Pail, illustration of which appears here. The makers explain that the new pail has been produced after numerous experiments by expert chemists and machinists, and will have the elasticity, strength and durability of the wound flax fiber pail, without its weak bottom, and without the tendency to soak up heavy, or break from brittleness connected with the moulded or seamless fiber pails, and has all the good qualities of those makes,



with none of their faults, and with greater capacity. No. 1 shows the initial position of side, bottom and steel band. No. 2 shows the finished pail after powerful steel rollers have compressed the bottom and side into one compact body and bound them together immovably by means of the steel band; while at top and bottom it is strenghened and protected by cold rolled steel bands. Price $3 per dozen. The Standard Fiber Wire Co. are leaders in their line, and when they give a guarantee it can be relied upon. They will be pleased to give further information upon application.

Notice to the Trade.

The Glidden Varnish Co., Cleveland, Ohio, make the following announcement:

Cleveland, Ohio, March 1, 1895.

You are hereby notified that Mr. Wm. H. Ennis is no longer associated with our company in any capacity, and you will please be governed accordingly.

Mr. E. E. Seavey is the authorized representative of our Boston Branch at No. 91 Union Street, Boston, Mass.

Yours very truly,

The Glidden Varnish Co.,
Cleveland, Ohio.

The Lariat Mfg. Co., No. 405 Atlantic Avenue, Boston, are just putting on the market on article for household and hotel use, which in its way is unique. It combines what they claim "is a perfect cleaner, especially for highly finished woodwork, with a germicide and disinfector." They take the position that the need in every house is something that will not only remove all dirt, but will also destroy all disease germs. They have the testimony of Professor Baird of the Massachusetts College of Pharmacy to the fact that Cleanio contains a good germicide.

S. Cheney & Son, Manlius, N. Y., call attention upon our outside front cover to-day, to their gray iron castings, cheap heating stoves, Diamond thimbles, etc. This company stand very high in their line of production, and a note addressed them will bring valuable information in the way of details, prices, etc.

David B. McIlwaine, of the well-known Hardware house of Greer & Laing, Wheeling, W. Va., has been in the city several days past, looking after his interests here and those of the house he represents.

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Review of the Markets.

Money: It is an undoubted fact that money just at present is quite scarce in hands where it could be used to very good advantage upon the business affairs and prospects of the country. The hardening of the market in this respect, is by some said to be due to the fact that the cash is flowing outward from the banks into the hands of manufacturers and merchants, and in this respect would be regarded as marking a revival of business. There are some of a pessimistic nature who believe that this tightening is somewhat due to the fact that holders of money are becoming more cautious, and are laying aside funds for that rainy day which so many people are always expecting, and which, let us be thankful, so seldom comes. There are indications, however, from all directions that general business is greatly improving, and while we hear some manufacturers talking of hard times, we know of scores of others, especially manufacturers of seasonable goods, who are as busy as they possibly can be just now, and some of whom are behind in their orders. It seems almost providentially as though the bicycle industry had been especially created for America just at this time, for the purpose of keeping many men busy who would otherwise be idle. And certainly there is no manufacturer or jobber of wheels who does not just now have about all he can attend to. The decrease in the cost of production during the general hard times, which we hope have just ended, has had the effect of opening new markets, and reports come that such staples as cotton, wool, wheat and petroleum are in demand at advancing prices. The feeling abroad in regard to American securities has been improved of late. The dividends in the case of stock companies have been lessened somewhat by the withholding of 2 per cent. for payment of the Income Tax, and it is needless to say that among stockholders there is rather more than the usual share of grumbling, because of this special tax upon their holdings. Taken all in all, the situation presents a better and firmer view than it did a fortnight ago, and with good weather and the usual April settlements, business ought to be better from now on, and money a great deal easier to obtain.

Hardware: The Hardware market shows a slight, but continuous improvement. Trade is said to be ten per cent. better than last year, but there is no particular boom. Trade in the West seems to be considerably better than in the East. Activity in the building line is expected to favorably influence the volume of business, though the effect may not be felt immediately. The demand is principally for a miscellaneous assortment of goods. The stocks carried by both manufacturers and jobbers are small, and in some cases large orders have been delayed thereby. For shelf and heavy Hardware there is but a fair demand. Some houses complain of a lack of business, while others can with difficulty fill their orders. The satisfactory settlement of the much mooted currency question would no doubt help the market wonderfully. It seems to be the general opinion that under the influence of the balmy spring weather, there will be an increased demand for seasonable goods.

Cutlery: Strikes in Europe have had the effect of curtailing the importation of the cheap grades of foreign cutlery, which has rebounded to the advantage of the American manufacturers of this line of goods. Some houses have been working nights to fill their orders. The import trade is dull, and a competent authority on the subject says "that it is not expected to brighten up until fall." March is considered the best month for the spring trade, and up to date there has been but little trade.

Cut Nails: The cut nail market is firmer, and there is more movement of goods and increased inquiries. Car load lots on dock are quoted at 75 to 80 cents, according to assortment. Small lots out of store, 85 to 90 cents.

Wire Nails: The demand for wire nails still continues good, and prices remain about the same, carload lots at mill being quoted at 90 cents. Many new orders have been placed, and mills have enough to keep them busy for the next two months.

Tacks: The market is somewhat spasmodic. Business is liable to be good one day and bad the next. A new list has been under consideration for some time, but when it will be adopted, or what its possible effect on business, cannot be predicted with accuracy.

White Lead: The list price of white lead has been reduced 1 cent per pound on 1 to 5-pound packages by the National Lead Co. Aside from that there has been no marked change in the market. Prices are firm at 4½ cents less the usual discount.

Red Lead: For immediate delivery, a fairly good trade is being done. Domestic brands are selling at 4½@4¾ cents as to quantity, the usual discount deducted. German brands for future delivery are quoted at 4⅝@4⅞ cents.

Litharge: Owing to the resumption of operations on the part of the rubber makers, the distribution of litharge has been good. Quotations are firm at 4¼@4¾ cents.

Zinc: The grinders have made more frequent calls upon their regular contracts; this has helped the market. Prices for jobbing parcels have not changed, being 3¾@4¼ cents.

The prices quoted below are for small lots. Round lots, except Tobin Bronze, can be purchased at lower prices:

Copper.	
Lake, ingot... ℔ ...	10½
Arizona & Baltimore Cast'g	10½
Ansonia "A" Casting	10¼
Anchor Rolling	10½
Baltimore Rolling	10½
Orford	10½
Tobin Bronze—Rods.	
¼ inch to 3½ inches, incl....17c. ℔	
Over 3½ to 5 " " 18c. ℔	
Square and Hexagon Rods, 1c. ℔ extra.	
Tobin Bronze Piston Rods.	
¼ to 3½ inches, inclusive...18c. ℔	
Over 3½ to 5 " " ...19c. ℔	
Antimony.	
Hallett's .....℔....	7¼
Cookson's.....	9¼
Lead.	
Foreign ..... ℔ ..	nominal.
Domestic.....	3½@3¾
Spelter.	
Foreign ....℔ ...	4¾
Western, common	4
Zinc.	
Sheet, cas.k.....℔....	4¾@5
Tin.	
Straits, 10 ton lots, spots ℔	15
Straits, store lots.....	16
Tin-Plate.	
Coke Tins:	
I B grade Coke Tin.....	4⅜
Bessemer do.	4.35
Charcoal Tins:	
Melyn grade, 14x20 IC.....	5¼
Each X $1.50.....	
Allaway grade, IC 14x20..	
Each addit'al X add $1.00.	4¾
Charcoal Ternes:	
Worcester, 14x20.	4¾
Do. 20x28	9.25
M. F., 14x20	6½
Do. 20x28	13.00
Dean, 14x20.....	4½
Do. 20x28	9.10
D. R. D. grade, 14x20.....	4¾
Do. 20x28.	8½

THE PHILADELPHIA TRADE.

Although the 21st, according to the calendar, marked the beginning of spring, we are apparently as far away as ever; ice and snow are still to be seen whitening the land, and spring orders are naturally slow in consequence. So far it has been impossible to commence outdoor work, and until this can be done local trade for Implements and Tools will remain light. This state of things cannot last much longer, and the probabilities are that spring business will come all at once, and we have some hopes that April will see trade in better shape than April of last year.

Even with the cold weather, trade is holding its own, and in Bicycles is far ahead of any previons year. Orders are coming in faster than the goods can be supplied. It seems to be a Bicycle year; good makes are in demand, and the probabilities point to a short supply before the end of the season.

Hardware prices remain without any immediate changes, except there seems to be a tendency to advances in raw material. Solder and Shot have both advanced and seem to be on an upward turn. Steel Billets and Iron are reported firmer.

The manufacturers of Carriage Bolts, Lag Screws and Machine Bolts have made another advance of 5 per cent. and talk about going higher in the next thirty days. Wooden Planes have also advanced. Manufacturers are (as has been prophesied) quick to take advantage of any good excuse for lifting prices out of the depth in which they have been so long.

Wire Nails and Barbed Wire remain the same, although as manufacturers report this year a reduced production of

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WITH APOLOGIES TO CHAS. KINGSLEY

(And the Reader.)

Three Drummers went drumming into the West,
(Out into the West as the sun went down,)
Each drummed for the firm which paid him best,
(And their names were Robinson, Jones and Brown.)
Now Robinson drummed for the Smashem Bros.,
And Jones quoted prices on Lumber,
But Brown he knew
A thing or two,
And drummed like fun for the Humber (American).

Three buyers sat each in his easy chair
(With a smile on his face as the sun went down,)
For each had been drummed by the Debonair
(By the festive Robinson, Jones and Brown.)
But Robinson drumming failed to win,
Though fibs he told without number,
And Jones the sinner
Thought he was the winner,
Till Brown sold each Buyer the Humber (American).

Send for Catalogue and learn how he did it.

Humber & Co., America, Ltd., 318 Broadway, New York.

150,000 kegs of Wire Nails per month, there is some talk of higher prices in this line.

Collections are somewhat slow. April 1st is general settling up time and country trade is probably holding off until that date.

BIDDLE HARDWARE CO.

THE DAVENPORT TRADE.

A larger number of building contracts have been let than usual, including several imposing business blocks and many elegant residences.

Wire nails are in good demand and prices remain firm.

Trade is improving in general Hardware; the indications are that this month sales will equal in amount those of March, 1894.

Collections are only fair.

George H. Sickels, one of the original organizers of this house, a brother of our president and a true friend of us all, died at his home in Albion, N. Y., on March 8, 1895.

SICKELS, PRESTON & NUTTING CO.

THE BALTIMORE TRADE.

It is pleasant to report a marked improvement in business during the past two weeks. Considerable activity has developed among the local retail Hardware houses, and under the pressure of immediate wants they have returned to their old allegiance to the jobbers in preference to suffering from delays in factory shipments. Those manufacturers who have been most conspicuous in "wild-cat" indiscriminate quotations have proven rather slow shippers, with a consequent result that they have greatly injured themselves in demoralizing the market prices. Promises unfulfilled never yield a large dividend.

There is much in the present demand for goods that gives promise of stability. Orders, while largely composed of seasonable goods, have such a fair proportion of shelf and staple Hardware and in quantities moderately large enough to indicate confidence in ruling prices. Prices are firm, notwithstanding the "hammering process" adopted by jobbers, manufacturers, agents and syndicate buyers. The action of the Baltimore Association in February, when they changed their list and discount, making a considerable advance, followed by a further advance on March 13th, indicates that, at least, one class of manufacturers are determined to return to a profitable basis. It is safe to say the present month has witnessed fewer declines than any other month during the past year. This in itself is hopeful.

Collections are fully up to expectations, and we look forward to a fairly active late spring trade.

THE TABB & JENKINS HARDWARE CO.

THE AUSTRALIAN TRADE.

The past month has been devoid of any marked features. Trade movements have been fairly well sustained, but there is still room for a vast improvement. The harvest returns in the various Colonies show rather a low yield on the average, which, in conjunction with the low prices ruling, does not furnish food for encouragement. Add to this that wool, also, is suffering from a market depression, as well as such products as silver, tin, copper, mutton and tallow, and it will easily be seen that the general income has sustained severe curtailments.

On the other hand, the increased yield of gold and coal and the added production and export of butter, cheese, eggs, poultry, wine, frozen meat and live cattle give some cheering spots of brightness on the horizon. Attention is also being given to the increased output of timber from nearly all of the Colonies, principally for paving purposes, and the movement in this direction bids fair to assume decent proportions.

It is worthy of mention that the gold yields in 1894 were the largest recorded during the last twenty years. The total yield was 2,125,441 ounces, made up as follows: Victoria, 739,496 ounces; Queensland, 624,000 ounces; New

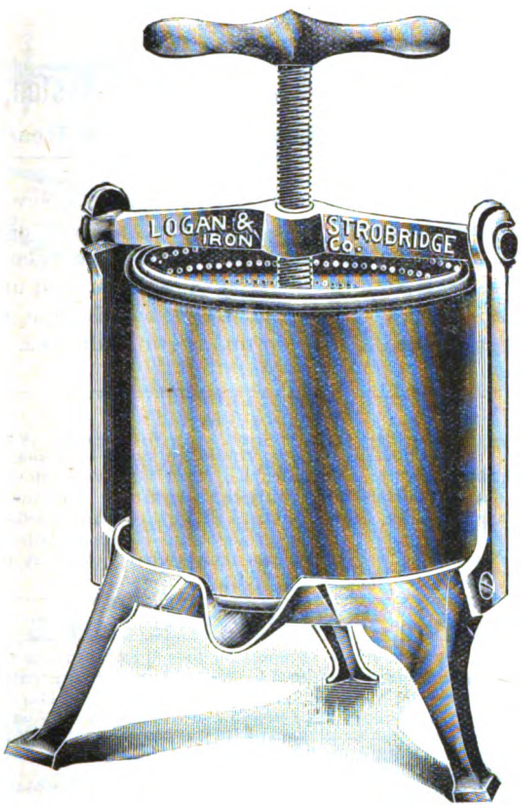
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Zealand, 230,000 ounces; Western Australia, 224,000 ounces; New South Wales, 223,298 ounces; Tasmania, 48,803 ounces, and South Australia, 35,844 ounces. The outlook in this direction for 1895 is bright.. The export of salt from South Australia is annually increasing and the industry promises well for the future.

McLEAN BROS. & RIGG, LTD,

Brighton Fruit and Lard Press.

The Logan & Strobridge Iron Co., New Brighton, Pa., are placing upon the market a new article that is sure to command attention and win success. It is the Brighton patent Fruit and Lard Press, here shown, and is intended as a family press for making jellies, syrups, wines, etc. It



is described as simple, effective, and quick acting. The No. 1 here shown is tinned all over. In describing it the makers say that the "base is high enough to admit the pan under the spout. There are two cylinders, both detachable from the base. The outer one collects the juice and conveys it to the discharge spout. The inner or press cylinder is of perforated tin. A strainer bag fits on the press cylinder and can be used when needed. In operating, fruit is put in press cylinder and the screw plate forced down by hand as far as possible, then screw bar is attached to the side arms and pressure continued with the screw. To release, two turns of screw to left will disconnect the screw bar from the hooks and cylinder and all may be instantly removed. Price, $2.50 each. Half dozen in a case." The company will be pleased to correspond with all who are interested.

GOOD VARNISH costs money.

To increase your trade try

Glidden's BICYCLE WOOD RIM ENAMEL.
Glidden's DOMESTIC VARNISHES for family use.
Glidden's PROTECTIVE BLACK for Carriages, Window Screens, Exposed Iron Work, &c.
Glidden's SURFACENE, wood filler and first coater,
Glidden's IVORY FINISH, and M. P. SPECIAL COACH.

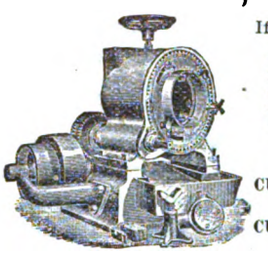
—MADE BY—

THE GLIDDEN VARNISH CO.,

Cleveland, - Boston, - Chicago, - St. Louis.

BAKING JAPANS AND LACQUERS A SPECIALTY

Steam Fitters, Attention!



If you wish to have the latest improvements in Labor Saving tools, send for our illustrated catalogue descriptive of our

FORBES PATENT DIE STOCKS.
CURTIS PATENT NIPPLE HOLDERS.
CURTIS PATENT RATCHET DRILLS.
PIPE VISES, RATCHET DIE STOCKS, ETC.

Sent free on application to

CURTIS & CURTIS,

No. 3 Garden Street, Bridgeport, Conn.

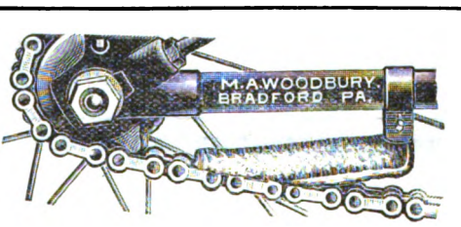
THE BEST OILER IN THE WORLD Is the "PERFECT" POCKET OILER.



HALF SIZE

This Oiler does not leak. Regulates supply of oil. It has won every test in competition with other oilers. Be sure to get a "Perfect." Price, 25c. each. Our "Star" Oiler is an excellent oiler at 15c. each, and is equal to any oiler in the world except the "Perfect."

CUSHMAN & DENISON 172 9th Ave., N. Y.



WOODBURY'S

Automatic Dry Chain Lubricator and Duster for Bicycles

—HAS NO EQUAL.—

Weight, ½ oz. Price, 25 cents.

FAITH

—IN—

ADVERTISING

contributes to success, without faith you will be blind to good results.

Advertise in

HARDWARE.

"A WINNER"

The Safety Rubber Cement Outfit.

EASY TO APPLY. — QUICKEST TO DRY.
SURE TO HOLD EVERY TIME.

Can be depended upon to do the MOST DIFFICULT RUBBER TIRE REPAIRING. Hot Water Bottles, Syringes, and all Rubber goods.

The Cement together with materials for mending put up in new style display boxes used only by us. Retails at popular price of **15 cents.**

Bicycle and Hardware trade supplied. Send for circular and price list.

The Hugh Campbell Co., - 45 Union St., Boston.



The Best Razor Strop Dressing in the World.

Why is STROPINE a Good Seller:

1st. It is the most attractively put up. (See cut.)
2nd. It is the Best Razor Sharpener.
3rd. It gives the Smoothest Edge.
4th. It is Perfectly Reliable and good for both Strop and Razor.

For sale by the LEADING WHOLESALE HOUSES.

MANUFACTURED BY
LARIAT MANUFACTURING CO., 405 Atlantic Ave., Boston, Mass.
New York Office, David Eastman, Manager, 64 Reade St.

Underhill, Clinch & Co.'s New Connection.

Underhill, Clinch & Co., No. 94 Chambers Street, New York, have taken the exclusive agency for New York City and near-by trade, of the Norwalk Lock Co., of South Norwalk, Conn. They will carry a large stock of locks and builders' Hardware suitable for the trade, the line comprising such goods known as "Art Hardware," and from that down to the kind generally used in medium grade houses. They have private telephone connection with the factory over a private wire, making it possible for them to quickly learn any information desired; have now a stock on hand, and are ready to fill orders. The Norwalk Lock Co. were long known as manufacturers of the best grades of Hardware. They desire to enter this market, after which they have not particularly looked for some years. Underhill, Clinch & Co. having an established trade, covering New York City and adjacent territory, exactly supplied the opportunity desired by the Norwalk Lock Co., and with their goods, and the enterprise of Underhill, Clinch & Co., the line in the territory named will be actively pushed.

Clute Bros., a new Hardware firm, are just opening for business in Cohoes, N. Y. Their new store presents a very attractive appearance, the more especially as it has been thoroughly fitted up with Moore's Perfect Shelf Boxes.

The Oxford Iron & Nail Co. have closed their New York office at No. 83 Washington Street, and removed to Trenton, N. J. It is to be hoped that the temporary embarrassment which has overtaken them of late, may be soon removed.

On page 27 of this issue, under the title "A New Idea in Paste," the address of John J. Nealon is given as No. 71 Howard Street, New York. It should have been No. 71 Leonard Street, and the error was not discovered until that form was printed. Mr. Nealon's "new idea" is so good that he can afford to bear up under two addresses.

Situations Wanted

SITUATION wanted as clerk in Hardware store, by a man who has had sixteen years' experience in a retail Hardware, stove and tin store as clerk and tinner. Am thirty four years old. Can furnish good reference as to ability, honesty, etc. I desire a permanent situation; am willing to work; prefer position in a general Hardware stove and tin store. Please state wages you can afford to pay. Address G. H. S., Box 332, Madison, Lake County, Ohio.

Agency Wanted.

WHO has got a good line or specialty to sell to Hardware trade, that would like to be represented in New York City by party having established trade, on commission or otherwise? Address Hardware Selling Co., care HARDWARE, No 143 Chambers Street, New York.

Punch and Machinery Wanted.

WANTED—Punch and Machinery for making Adze Eye Mattocks and Picks. Give lowest cash price and address P. O. Box 1145, New York, N. Y

Side Line Wanted

TRAVELING salesman with established trade in leading towns in Middle and Western States, wants a line, or good specialty to sell Hardware trade on commission Address Good Trade, care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED Agents for Ariston Cycles in States of New York, New Jersey and Connecticut. Address Hoole Machine & Engraving Works, No 83 Reade Street, New York.



A GOOD THING.
PUSH IT ALONG.
Sells on Sight.

WARNER BURGLAR PROOF LOCK.

The Cheapest, Strongest, Lightest Dead Rim Lock made.

Write for Prices and Circulars.

THE WARNER LOCK CO.,
412 Manhattan Bldg.,
Chicago, Ill.

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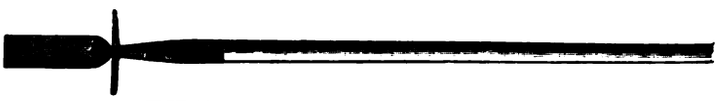
Withington & Cooley Manufacturing Co.,

JACKSON, MICH., U. S. A.

The Season is here. **« LAWN · TOOLS »** We Have Them.



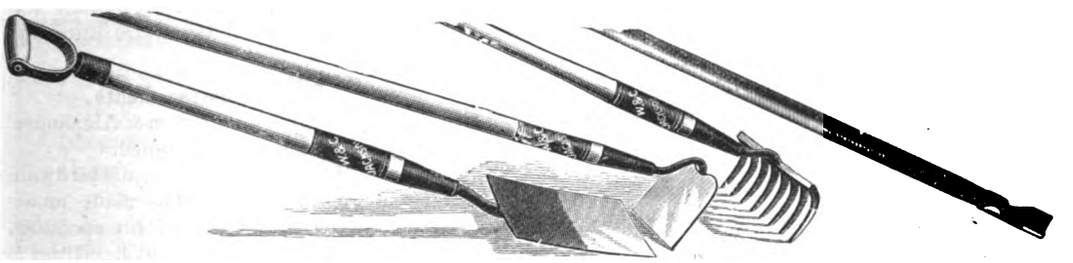
SHUFFLE HOE.



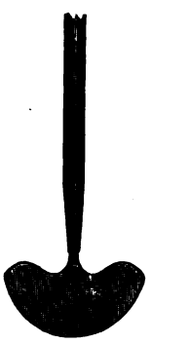
THISTLE OR WEED CUTTERS.



LAWN RAKES. Simplicity and Durability.



FLORAL SETS. Four Tools; not toys, but made in a first-class manner. Serviceable, of best material. Hoe and spade have forged steel blades, brightly polished. Rake is of malleable iron, latest pattern, and polished. Dandelion Spud is needed in every lawn or grass plat.



TURF EDGERS.

Also a full line of Farm and Garden Tools. Send for Catalogue and Prices.

TUDOR IRON WORKS,

ST. LOUIS.

Manufacturers of

ARROW TEETH, MINING RAILS, SPIKES.

TRACK FASTENINGS.

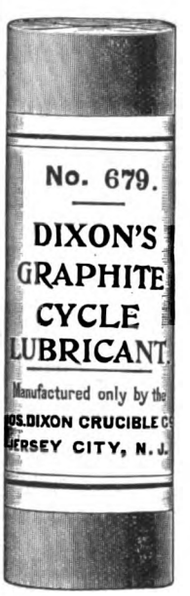
Truss Bottomed FLAX FIBER Pails

Overcome all objections. They **are not** clumsy, partially water-proofed, brittle; their bottoms do not warp out, nor swell and shrink and get loose. They **are** strong, elastic, thoroughly water-proofed, more capacious than other makes, and handsomely finished; while the **truss bottom** holds up its load, but is immovably affixed to the pail. Every man and woman who sees wants them. To introduce them we will ship a trial two dozen to any dealer on receipt of $5.00, or we will send to him **free**, express charges **unpaid**, a sample pail.

Standard Fiber-Ware Co., - Mankato, Minn.



$25 to $50 per week, to Agents, Ladies or Gentlemen, using or selling "Old Reliable Plater." Only practical way to replate rusty and worn knives, forks, spoons, etc; quickly done by dipping in melted metal. No experience, polishing or machinery. Thick plate at one operation; lasts 5 to 10 years; fine finish when taken from the plater. Every family has plating to do. Plater sells readily. Profits large. W. P. Harrison & Co., Columbus, O.



Do You Sell Bicycles?

We are the People

Who make a bicycle chain lubricant that is absolutely without an equal.

Wheelmen say they will use no other.

Send for sample and prices.

JOS. DIXON CRUCIBLE CO.,

Jersey City, N. J.

CASTINGS

SMALL AND MEDIUM.

Iron, Brass, Bronze and Composition,

Fine Quality, Soft and Clean.

Nickel and Brass Plating, Tinning and Japanning.

Light Machine Work, Metal Pattern Making.

CORRESPONDENCE INVITED.

C. H. Angus, - Albany, N. Y.

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RETAIL TRADE RECORD.

Hardware dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Hardware Stores.

Chatham, N. Y.—Wm. W. Gray.
Gardner, Mass.—F. P. Carruth.
Lexington, Ky.—Walker, Gay & Adams.
New Athens, Ill.—H. J. Boedeker.
Mediapolis, Iowa.—Sciscoe & Wilson.
Mexico, Mo.—G. L. Ferris.
Minersville, Pa.—A. Wolf.
Visalia, Cal.—Z. D. Johns.
Yarmouth, Me.—Leon Doughty.

Record of Changes.

Abingdon, Ill.—Marks & Cox, Hardware, etc., reported sold out.

Algona, Iowa.—Weitgenant Bros., Hardware, are succeeded by W. I. Humiston & Co.

Appleton, Wis.—Ernst Koss has sold his share in the Hardware firm of Petersen & Koss to Wm. Tesch who has taken possession.

Beaver, Pa.—George Q. Wolfe, Hardware, reported sold to J. K. Simpson.

Brooklyn, N. Y.—John Shann & Son, Hardware, reported sold out.

Cambridge, Minn.—Brant & Erickson, Hardware, are succeeded by A. E. Brant.

Chicago, Ill.—Beiersdorf & Lohsand, stoves and Hardware, are succeeded by Edward Beiersdorf.

Darlington, Ind.—George Seybold, Hardware, is succeeded by George Seybold & Co.

Dickson, Tenn.—Anderson & Petty, Hardware, succeeded by W. T. Anderson.

Eddy, N. Mex.—Gamble & Langford, Hardware, reported sold out.

Elkader, Iowa.—Frank I. Hodges, Hardware, is succeeded by Hodges & Kelsher.

Eugene, Ore.—Miller & Long, Hardware, etc., are reported as having dissolved partnership.

Gallatin, Mo.—Homer C. Yats has purchased Gilbert & Chapman's Hardware stock, and will continue business at the present location.

Grand Forks, N. Dak.—The Hardware firm of Adams & Reinhart will hereafter be known as Reinhart & LeBeau, the new partner in the business, J. C. LeBeau, having purchased Mr. Adams' interest and taken possession.

Grand Rapids, Mich.—William Miller, Hardware, is succeeded by the Miller Furnace Co.

Greenfield, Ind.—Gibbs & Thomas, Hardware, succeeded by Thomas & Jeffries.

Hannibal, Mo.—Clement & Flood, Hardware, etc., are succeeded by Clement & Jones.

Harrisburg, Pa.—W. L. Brubaker has withdrawn from the firm of Brubaker, Gilbert & Co., Millersburg. G. W. Gilbert having assumed entire control of the Hardware business.

Heber, Ark.—Howard Bros., Hardware, are succeeded by G. W. Howard.

Lamar, Mo.—Frank Cranor, Hardware, is reported sold out.

New Kensington, Pa.—Standard Hardware Co. are succeeded by J. M. Doolittle.

New Westminster, B. C.—Campbell & Anderson, Hardware, are succeeded by R. F. Anderson.

Northampton, Mass.—Shumway & Riley, stoves, etc., are succeeded by J. H. & W. H. Riley.

Oketo, Kan.—Chapman & Hedge, Hardware, succeeded by Chapman & Robinson.

Olivia, Minn.—Heaney & Peckinbaugh, Hardware, etc., have sold out.

Osage, Iowa.—A. C. Tupper, Hardware, is succeeded by Tupper & Odden.

Oto, Iowa.—J. H. Hammond, Hardware, reported succeeded by D. M. Leadingham.

Port Jervis, N. Y.—The Hardware firm of Swinton, Van Etten & Co. has been dissolved. S. S. Van Etten is the retiring member. The firm will hereafter consist of John D. Swinton, Sr., David L. Swinton and John D. Swinton, Jr.

Racine, Wis.—R. R. Birdsall has sold his interest in the Hardware store of Maxsted & Birdsall to his partner, F. W. Maxsted.

Rich Hill, Mo.—W. R. Patterson has sold his stock of Hardware to Mr. Stevens, of Jasper, Cass County, Mo.

Roodhouse, Ill.—T. J. Rafferty and J. M. Carmoney have bought out the Hardware store of C. Kerger & Sons.

Rushsivania, Ohio.—George Harner has sold his Hardware store to Mr. Wickersham.

Skaneateles, N. Y.—W. J. Shotwell has purchased the interest of F. G. Foote in the firm of Foote & Co., Hardware merchants, the new firm being known as Shotwell, Tucker & McGinn.

South Butler, N. Y.—The Hardware firm of Winegar & Pasco, which was recently dissolved by the death of the senior member, Howard P. Winegar, is about to close up its affairs.

Springfield, Ohio.—The Hardware firms of the Lion Hardware Co. and Elder & Tuttle have been incorporated under the title of the Elder & Tuttle Co. and named the Lion Hardware Store.

Stamford, N. Y.—Frank Enderlin has purchased the Hardware store and tools of J. E. Newkirk.

Stryker, Ohio.—J. C. Vernier, Hardware, etc., is reported sold out.

Thamesville, Can.—E. S. Hubbell, Hardware, is succeeded by Hambley & Hodgson.

Wenona, Ill.—Hoge Bros., Hardware, etc., reported sold out.

Wilkinsburg, Pa.—Brown & Hackett, Hardware, are succeeded by Charles A. Brown.

Improvements and Removals.

Britt, Iowa.—J. W. Thompson is building a store which he will occupy with a large stock of Hardware.

Hagerstown, Md.—Reichard & Schindel, Hardwaremen, are preparing to move into their new room, recently vacated by W. H. Albert, South Potomac Street.

Iowa City, Iowa.—T. E. Marshall, Hardware dealer, is having erected a large warehouse for the accommodation of his stock.

Little Rock, Ark.—The Lamberson Hardware Co. have commenced moving to their new store, at the corner of Harrison and Newton Streets.

Mt. Blanchard, Ohio.—J. Fahl & Son have placed a new plate glass front in their Hardware store, besides making many inside improvements.

Myersdale, Pa.—The Glessner Hardware Co. are moving their stock into the Hersh building.

Port Clinton, Ohio.—Edward Wedekind has moved his Hardware stock from the Rohrs building into the new Masonic temple.

Saginaw, Mich.—John Beere, the Court Street Hardwareman, contemplates building a new store on the north side of the street near the corner of Mason Street.

Whittier, Cal.—T. H. Buckmaster, Hardware dealer, is building a new store.

Yarmouth, Me.—R. H. McQuillan has moved his stock of Hardware into the Coombs block.

Business Embarrassments.

Petersburg, Ind.—Patterson & Alexander Hardware dealers, have assigned.

Racine, Wis.—James Shaw, a Hardware merchant on Main Street, has made an assignment for the benefit of his creditors. The amount of the assets and liabilities is not known, but the assets are estimated at $10,000.

Seattle, Wash.—The Gordon Hardware Co. have made an assignment.

St. John. N. B.—E. A. Everett, Hardware dealer, has assigned to Amon A. Wilson, with liabilities between $25,000 and $30,000.

Burglaries in Hardware Stores.

Detroit, Mich.—Alexander Lemke, $100.

Fort Plain, N. Y.—Williams & Taylor, $100.

Fort Wayne, Ind.—Morgan & Beach, small loss.

Knoxville, Tenn.—George Brown, $13.

Richford, Vt.—Ayer & Ladd, cutlery.

South Lyndeboro, N. H.—W. S. Tarbell, $10.

Syracuse, N. Y.—Everson & Co., cutlery.

Fires in Hardware Stores.

Arvilla, N. D.—The Hardware store of H. G. Brown has been burned. Loss, $2500; insurance, $1900.

Gouverneur, N. Y.—E. G. Carpenter's Hardware store has been burned. Loss, $3000.

Hamilton, N. Y.—E. B. Gaskell, Hardware, reported burnt out.

Hanover, Pa.—The Hardware store of Fox, Thomas & Co. has been destroyed by fire; partially insured.

Henderson, Minn.—L. C. Rudow, reported burnt out; insured.

Lynn, Mass.—The Hardware store of Wm. Henry Hutchinson has been burned. Loss, $300; fully insured.

Muncie, Ind.—The store of R. Scott, dealer in Hardware, was recently damaged by fire.

Rochester, N. Y.—The Hardware store of John A. P. Walter has been damaged by fire.

Siloam Springs, Ark.—The Benton County Hardware Co.'s stock partially destroyed by fire.

Toronto, Can.—James Milne & Co.'s Hardware store has been destroyed by fire.

Worthington, Ind.—Haxton & Miller, Hardware, totally destroyed by fire.

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Mr. HARDWARE DEALER,

Dear Sir:—Avail yourself of our experience and advice.

BUY YOUR BICYCLES OF THE

Manufacturers direct. You'll get better goods for the same money. That's what you want. They'll give you less trouble and better satisfaction.

The GRAND RAPIDS CYCLE CO.

Are selling dealers direct. They might be able to interest you, if you'll write them. They are the

Makers of those Bicycles Built for Business.

Address,

GRAND RAPIDS CYCLE CO.,
Grand Rapids, Mich.

The reward of constancy:

The constant drop of water
Wears away the hardest stone;
The constant gnaw of Towser
Masticates the toughest bone.
The constant cooing lover
Carries away the blushing maid—
The constant advertiser
Is the one who gets the trade.



The **Frictionless Falcon** Wins With **Big Ball Bearings**



Little Ball Bearings



15 BALLS MEAN 75 POINTS OF CONTACT

9 BALLS MEAN ONLY 45 POINTS OF CONTACT

YOST MANUFACTURING CO
YOST'S STATION
TOLEDO OHIO

"Birds of a Feather," etc.

A few of the leading Hardware Flock fly their colors under the

GOLD CRANK FALCON BANNER.

Albany Hardware and Iron Co., Albany, N. Y.
Schreiber, Conchar and Westphal Co., Dubuque, Iowa.
Janney, Semple Co., Minneapolis, Minn.
Beck & Corbitt Iron Co., St. Louis.
Gray Fall Company, Nashville, Tenn.
Geo. Tritch Hardware Company, Denver, Colo.
Geo. Wolf Alexander, San Francisco, Cal.

For Falcon Catalogues ADDRESS YOST MFG. CO., TOLEDO, OHIO.

NEW ENGLAND SPECIALTY CO., NORTH EASTON, MASS.

Manufacturers of
Screwdrivers, Can Openers, &c. Sheet Metal Punching and Nickel-Plating.



Keating

"365 DAYS AHEAD OF THEM ALL."

17 to 23 Pounds



CATALOGUE FREE

FACTORY, HOLYOKE, MASS.

HOUSES OF Good Business Standing DESIRED AS AGENTS.

The Admiral



A Leader for '95.

Weight, 29 lbs., Wooden rims, 28 inch wheels, Morgan & Wright Pneumatic Tires.

Price only $65.00.

Dealers should write for discount on this and other goods to

A. W. Gump & Co., Dayton, O.

The Pioneer Bicycle House of Ohio.

Mention this paper.

A Sound Business Principle.

"Always give the other fellow a good bargain."

This we do and always have done. Crawford bicycles are noted for superior quality, superior workmanship, and superior finish. Crawford prices are **$75.00 $60.00 $50.00 $40.00**

The CRAWFORD MFG. CO.

Hagerstown, Md.

Branch Houses:
New York, 70 & 72 Reade St.
St. Louis, 608 North 4th St.

New England Agents:
Bigelow & Dowse Co., Boston.
Western Agents:
Julius Andrae & Sons Co., Milwaukee.

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BICYCLE TRADE RECORD.

Bicycle manufacturers and dealers, the country over, are requested to contribute to this page. News of new stores, changes, improvements, etc., will be gladly received, and promptly published.

New Companies, Stores, Etc.

Aberdeen, Miss.—W. A. McMillan & Son, Hardware, will take up bicycles. Propositions invited from manufacturers.

Alice, Tex.—L. G. Collins, Hardware and vehicles, will add bicycle department. Correspondence invited with manufacturers.

Alvin, Tex.—W. H. Nash & Co., Hardware, etc., will add bicycle department, and solicit propositions from manufacturers of bicycles and bicycle sundries.

Ashtabula, Ohio.—C. H. Schrivens, bicycles, opened a new store on Main Street.

Athens, Tenn.—Bayless & Moody, Hardware, etc., invite propositions of manufacturers of bicycles and bicycle sundries, looking to adding bicycle department to their business.

Atlanta, Ga.—The W. D. Gash Co., of Asheville, N. C., bicycles, etc., will open headquarters here, leaving D. S. Gudger in charge of the Asheville branch.

Auburn, N. Y.—Lawson & Son, bicycles and sporting goods, have opened branch house at Binghamton. They will continue their business in this city.

Bellefonte, Pa.—John S. Waite, bicycle., will open new store after the first of April.

Big Springs, Tex.—Bressis Bros. & Co., dry goods, etc., contemplate adding a bicycle department, and invite correspondence with manufacturers of bicycles and bicycle sundries.

Binghamton, N. Y.—N. W. Waldron, bicycles, opened a new store, which is among the finest in the city. He will handle the Syracuse, Rambler, Victor, Crescent and other wheels.

Bristol, Tenn.—J. H. Barker & Co., Hardware, will take up bicycles. Correspondence with manufacturers invited.

Chattanooga, Tenn.—The Kirby Cycle Co., with Harry Kirby as manager, has opened new store at No. 819 Broad Street.

Cortland, N. Y. — William Grady, bicycles, etc., a new store opened in the Wickwire Building.

Cuthbert, Ga.—W. A. Roberts, house furnishing goods, will add a bicycle department, and solicits correspondence for circulars and price lists from manufacturers of bicycles and bicycle sundries.

Dayton, Tenn.—A. G. Slawson, Hardware, etc., will take up bicycles. Desires correspondence with the manufacturers of wheels and sundries.

Dickson, Tenn.—B. B. Miller, Hardware, etc., solicits propositions from manufacturers of bicycles and bicycle sundries, looking to establishing agency.

Fairfield, Fla.—Harry Richard, bicycles, commenced business.

Fonda, N. Y.—Peter W. Sitterly and Lee Cole have formed a co-partnership to commence the bicycle business. They will handle the Remington.

Fort Wayne, Ind.—Gust Steger and William Gouty, bicycles; new firm will open new store at No. 126 Calhoun Street.

Guthrie, Okla.—The Olsmith Arms Co. will put in a full line of bicycles, and conduct a general bicycle supply business.

High Point, N. C.—The Beeson Hardware Co. will add bicycles. Correspondence invited with manufacturers of wheels and sundries.

Marinette, Wis.—James S. Wheeler, bicycles, has opened business, taking the agency for the Lovell Diamond.

Memphis, Tenn. — The Monarch Cycle Co., branch office established, with R. F. Bunting as resident manager.

Meriden, Conn.—Robert E. Badger, bicycles; a new store opened on Centre Street.

Newberne, N. C.—Slover Hardware Co., No. 73 Middle Street, will add a bicycle department. Propositions from manufacturers of bicycles and bicycle sundries are invited.

Newburg, N. Y.—The Rheinhart Yuenger Co., bicycles, will open a new store April 1st.

Philadelphia, Pa.—R. Nuttall & Son, No. 1501 South Second Street, Hardware merchants, announce their intention of fitting up a bicycle repair shop. They will also be prepared to furnish parts. A thorough mechanic, of long experience, will have charge of this department. Catalogues and discount sheets will be appreciated by them, if sent by those that mean honest trade.

Plymouth, Wis.—W. J. Sweet, bicycles, has opened business, taking the agency for the Western Wheel Works.

Portland, Me.—F. O. Bailey & Co., bicycles, opened business at No. 46 Exchange Street, taking the agency of the Stearns bicycles.

Riverhead, L. I.—The Riverhead Cycle Co. have taken the agency for the Victor Bicycle.

Rochester, N. Y.—C. J. Connolly, bicycles; new store opened at No. 47 Exchange Place.

St. Louis, Mo.—E. C. Meacham Arms Co., offering the trade a new bicycle known as the Club, No. 15.

St. Louis, Mo.— A. F. Shapleigh Hardware Co. have closed a contract with Morgan & Wright, Chicago, to handle that firm's bicycle tires at factory prices.

Stewartsville, Minn. — Demro & Kelly, Hardware, succeeded by J. J. Kelly, who will take up bicycles.

Wilkesbarre, Pa.—Robert Johnson, bicycles, will open new store. Nos. 10 and 12 North Main Street, April 1st. He will add a bicycle repairing department, and increase his stock of sporting goods.

Changes and Removals.

Binghamton, N, Y.—I. A. Lawson and J. J. Carr, of Auburn, N. Y., have moved their bicycle and sporting goods business to this place, and will act as local agents for the sale of the Buffalo, Envoy, Phœnix, Fleetwing and Rochester bicycles. They will open a repairing department. Their place of business is at No. 17 Ferry Street.

Battle Creek, Mich. — Hall-Jones Cycle Co., J. B. Hall retires; business continued by Mr. Jones.

Chattanooga, Tenn. — Harry Kirby, bicycles, has sold out to J. Mitchel.

Cohoes, N. Y.—Clute Bros., bicycles, etc., removed to larger quarters, No. 72 Remsen Street.

Chicago, Ill.—The Overman Wheel Co., Chicago business reported sold to Thorsen & Cassidy, sporting goods, who are said to be capitalized at $100,000.

Council Bluffs, Iowa.—S. M. Williamson & Co., partnership dissolved; business continued by S. M. Williamson.

Omaha, Neb.—A. H. Perrigo & Co., bicycles, dissolution of partnership reported, C. W. Dabney continuing the business.

Salt Lake City, Utah.—Western Hardware Co., on March 1st, removed to larger building on First South Street, and will devote the second floor, 60 by 125 feet, to a stock of new bicycles, and will also conduct a bicycle riding school.

Saratoga, N. Y.— The Hulbert Bicycle Co. has succeeded to the business of Hulbert Bros., heretofore doing business at No. 334 Broadway, which firm has been dissolved, C. N. Hulbert continuing the business under the style first mentioned. He will pay all outstanding claims against the old firm. On March 30th the business will be removed to No. 352 Broadway.

Washington, D. C.—The Overman Wheel Co., No. 713 Thirteenth Street, will remove to No. 909 Pennsylvania Avenue, and add a full line of athletic goods of their own stock. A bicycle repair shop will also be added.

New Goods and Improvements.

Birmingham, Ala.—Iron City Cycle Co., Robert Safely, manager, will manufacture a twenty-two-pound wheel. A bicycle repair shop has been added to the business.

Goshen, Ind.—Charles Parker and Joseph Gallagher, new firm, with $2000 capital, will manufacture the Spark bicycle. Invite correspondence with manufacturers of bicycle parts.

New York, N. Y.—John Nuttall, No. 428 West Twenty-seventh Street, bicycle manufacturer, increasing capacity by the addition of new machinery, and has repairing, nickeling and enameling departments in operation.

New York, N. Y.—Metropolitan Bicycle Co., work on new building at Boulevard and Sixtieth Street is progressing rapidly under the eye of Manager Bridgeman, who is devoting his entire time to getting the business under way so Columbias can be sold.

Recent Fires.

Bridgeport, Conn.—Moses W. Manwaring, bicycles, etc., sustained serious fire loss in burning of building, wherein was being held a military carnival.

Miscellaneous.

Allegheny, Pa.—James Dunlap, bicycle repairing, No. 10 Ohio Street, killed by gas explosion, which demolished the building.

Lockport, N. Y. — Coates, Davidson & Riggs, bicycles, propose a bicycle fair in Music Hall in the near future.

Louisville, Ky.—Harbison & Gathbright, saddlery, etc., F. L. Albert, formerly with Auditorium Hotel & Theatre Co. of Chicago, appointed assistant manager in bicycle department.

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Waverley BICYCLES.

Are warranted superior to any other Bicycle built in the World, regardless of price.
High Frame, Wood Rim, Detachable Tire, Scorcher, weight, 22 lbs., $85. Ladies' Drop Frame, same weights and Tires, $75.

A GOOD AGENT WANTED in every Town. A splendid business awaits the right man. Get our Hardware Dealers Catalogue. Free by mail.

INDIANA BICYCLE COMPANY, - Indianapolis, Ind.

LAMSON'S LUGGAGE CARRIERS FOR BICYCLES



SOLD BY ALL DEALERS.
INDISPENSABLE TO WHEELMEN.
Prices: for No. 1½, 75 cts.; No. 1, $1; No. 4a, $1.25; No. 4d, $1.50, etc.
Send for Catalogue.
C. H. LAMSON, Portland, Me.

IMPROVED
Tack, Shoe and Wire Nail
MACHINERY,
KIMBAL BROS. & CO., Mfrs.,
Send for Prices. BROCKTON, MASS.

APOLLO, CYCLOE AND FAIRY BICYCLES



HIGH GRADE
For
$75.00,
List.

The "APOLLO." 28-inch Wheels, Ball Bearing Throughout; Morgan & Wright Tires. Weight, all on, 24 lbs.

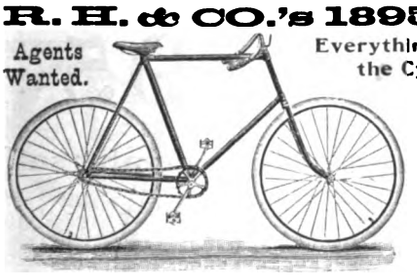
The "CYCLOE." (Boy's) 24 and 26-inch Wheels; All Ball Bearing.

The "FAIRY." (Girl's.) 24 and 26-inch Wheels; All Ball Bearing.

Send for Catalogue.
EDW. K. TRYON, JR. & CO.,
PHILADELPHIA.

R. H. & CO.'s 1895 LINE!

Agents Wanted.



Everything Required by the Cycle Dealer.

The Most Valuable and Permanently Profitable Agency Extant.

Highest and Medium Grades, all sizes and weights.

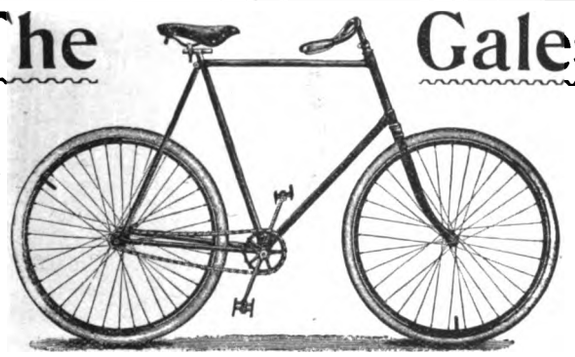
EXCLUSIVE AGENCY GIVEN.

SYLPHS, in 17, 19 and 22 lbs., (Highest Grade),	$100.00
OVERLAND SCORCHER, 25 lbs., (High Grade),	75.00
OVERLAND, 28 in. for Ladies and Gentlemen,	65.00
OVERLAND, 26 in. " " "	50.00
OVERLAND, 24 in. for Boys and Girls,	40.00

Also job lot and second-hand Cycles Sundries, etc., all right up to date and sellers. LIBERAL DISCOUNTS. Catalogue free.

ROUSE, HAZARD & CO., Mfrs., 225 G St., Peoria, Ill.

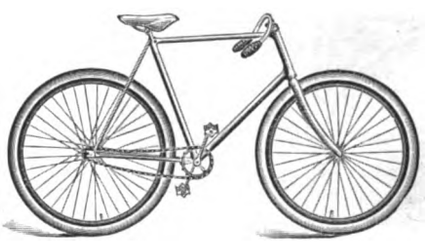
The Gales



MANUFACTURED BY
Schoverling, Daly & Gales
302 Broadway, N. Y.
THE BEST WHEEL IN THE MARKET.
20 lbs., $90.00; 24 lbs., $80 00; Ladies', $85 00.
Improved on last year's at every point
AGENTS SOLICITED. LARGE DISCOUNT TO DEALERS.

A BICYCLE MADE FROM ALUMINUM

is better than one made from STEEL



Two years' service has PROVEN this.

IT LOOKS BETTER.
RIDES BETTER.
WEARS BETTER.
COASTS BETTER.
SELLS BETTER.

Mr. Dealer, if you handle bicycles you want to make the business pay.

The Lu-mi-num. is the one that sells and stays sold. Write to us; we want your acquaintance at least.

Incorporated 1873. St. L. R. & W. G. Co.,
Capital, $500,000.00 St. Louis, Mo.

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BICYCLE LAMPS AT POPULAR PRICES.



Circle.—Glass, 2¼ inch; Oil capacity, 9 hours; Self-adjusting Socket; Rubber Joints; Detachable Oil Tanks. Weight, 8½ oz. **Price, Enameled, $1.00.**



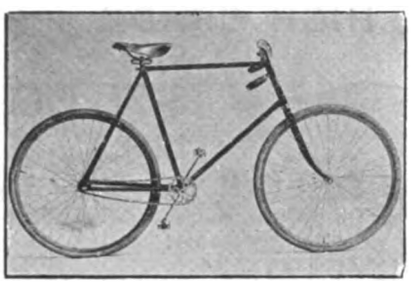
Cyclight.—No. 57, L. Lens, 2¼ in., Enameled. **Price, $1.60.**
No. 57, Plain Glass, 2¼ in., Enameled. **Price, $1.10.**
Wick, ¾ in.; Oil capacity, 7 hours; Weight, 12 oz.



Jupiter.—No. 57, D. Lens, 2¼ inches, Enameled. **Price, $2.00.**
Wick, ¾ inch; Oil capacity, 9 hours; Weight, 12 oz.

The Milo at $3.00; Bell Rock, No. 0, at $4.00; Bell Rock, No. 43, at $5.00, and Lito, at $6.00, complete the line. They are made by H. MILLER & CO., of England, who are the largest cycle lamp makers in the world. Send for special lamp catalogue.

A. M. SCHEFFEY & CO., - Sole U. S. Agents, - 92 Reade Street, New York.



Eclipse Special.

WESTERN AGENTS:
SIMMONS HDW. CO.
ST. LOUIS, MO.

Hardware Dealers

Just Ask Us For Catalogue and Quotations.

WE WILL DO THE REST.

ECLIPSE CYCLES "They Stand the Test."

ECLIPSE BICYCLE CO.,

Indianapolis, Ind. — BEAVER FALLS, PA. — Hamilton, Canada

Lucas Lamps for 1895

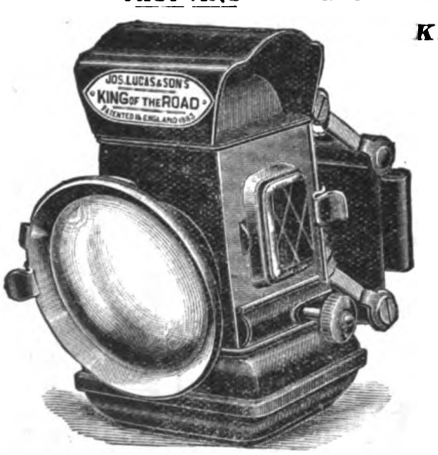


Toura.

RECOGNIZED by the trade AS the BEST.

Have been much improved and will give greater satisfaction than ever.

THEY ARE *KING OF THE ROAD,*
KINGLET, TOURA,
CAPTAIN, MIDGET,
LUCENT, PLANET.



King of the Road, 000.



Planet.

See our Exhibit of Bells and Lamps at Chicago and New York shows.

Sole Representatives in the United States,

The New Departure Bell Co., Bristol, Conn.

Sole Agents, **John H. Graham & Co.,**

Write for Prices. **113 Chambers Street, New York.**

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First Annual Sportsmen's Exposition

(INCORPORATED)

Madison Square Garden, New York City,

May 18th to May 18th, 1895.

Under the Auspices of the Sportmen's Association. **CHARLES TATHAM, President.**

BOARD OF TRUSTEES:

CHARLES TATHAM,	CHARLES DALY,	FREDERICK S. WEBSTER,
J. VON LENGERKE,	JACOB H. STUDER,	JOHN S. WISE,
J. A. H. DRESSEL,	P. J. SANFORD,	ARCHIBALD ROGERS.

A MAGNIFICENT display of every thing appertaining to sports, including mounted and living specimens of North American game animals, realistic cycloramic goups of camp life and hunting scenes, log cabins and hunters' camps, showing the life of the sportsman. Also valuable paintings, books, etc., etc.

The following well known firms are among those who have taken space for the Exposition:

E. I. Dupont & Co.,
Union Hardware Co.,
U. S. Cartridge Co.,
Gas Engine & Power Co.,
Cleveland Target Co.,
Schoverling, Daly & Gales,
Hardware Publishing Co.,
Colt's Firearms Co.,
Herman Boker & Co.,
Iver Johnson's Arms & Cycle Works,
Weibusch & Hilger, Limited,
G. O. Shields, "Recreation,"
Tatham & Brothers,
Hunter Arms Co.,
Forest and Stream,
Winchester Repeating Arms Co.,
Von Lengerke & Detmold,
American Field,
Main C. R. R. Co.,
Union Metallic Cartridge Co.,
W. Lyman & Lefever Arms Co,
Cushman & Denison,
Forehand Arms Co.,
Bridgeport Gun Implement Co.,
Shooting & Fishing,
Remington Arms Co.,
Spratt's Patent,
A. G. Spalding & Bros.,
Hazard Powder Co.,
Parker Bros. & Co.,
Thomas W. Fraine,
Sporting Goods Dealer.

Between sixty and seventy spaces have been taken. For information regarding special railroad rates, and the rental of spaces, address

FREDERICK S. WEBSTER, Secretary,
106 East 23d Street.

FRANK W. SANGER, Manager,
Madison Square Garden.

CRESCENT BICYCLES

HIGHEST GRADE — LOWEST PRICES



Crescent No. 1, $75.

$75 NO. 1 (FOR MEN). 28 in. Wheels, 23 lbs.
NO. 4 (FOR LADIES). 26 in. Wheels, 22 lbs.

The most salable line of wheels on the market. All sizes, all prices.

$50 NO. 2 (FOR YOUTHS). 26 in Wheels, 21½ lbs.
NO. 5 (FOR MISSES.) 26 in Wheels, 24 lbs.

MONEY CANNOT BUY BETTER WHEELS.

$40 NO. 3 (FOR BOYS). 24 in. Wheels, 21 lbs.
NO. 6 (FOR GIRLS). 24 in. Wheels, 22 lbs.

Reliable Agents wanted where we are not now represented. Catalogue Free.

Factory, Chicago, Ill. **WESTERN WHEEL WORKS,** Eastern Branch, 35 Barclay St., N. Y.

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HAVE YOU SECURED YOUR AGENCY FOR 1895?

IF YOU INTEND SELLING A HIGH GRADE WHEEL

THE Monarch

DON'T TAKE AN AGENCY FOR AN UNKNOWN BICYCLE.

In every State from Maine to California
IS THE SYNONYM FOR EXCELLENCE
And is acknowledged by all to be
The Most Perfect Wheel in the World.

MADE IN FIVE PERFECT MODELS.

WEIGHTS, 18 to 25 POUNDS. PRICES, $85 and $100.

IF YOU WILL ONLY EXAMINE "THE MONARCH"
YOU WILL TAKE THE AGENCY FOR NO OTHER WHEEL.

EASTERN BRANCH:
99 Reade St., N. Y.

MONARCH CYCLE CO., C. F. GUYON CO., Ltd. Managers.

Shrewd Hardware Dealers

KNOW THE VALUE OF FINE STEEL OVER INFERIOR GRADES.

THE FRAMES OF

HELICAL TUBE PREMIERS

Are made of finer steel than can be used in any other bicycle, resulting in lighter wheels combined with greater strength. We are placing agencies with responsible parties only, and if there is no "Premier" agency in your town it will pay you to write us for catalogues and terms.

PREMIER CYCLE MANUFACTURING CO.,

34, 36 & 38 Watts Street, New York.

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ROAD WHEELS

FROM NINETEEN POUNDS UPWARDS!

GOOD WHEELS.

A LOW PRICE AT WHOLESALE.

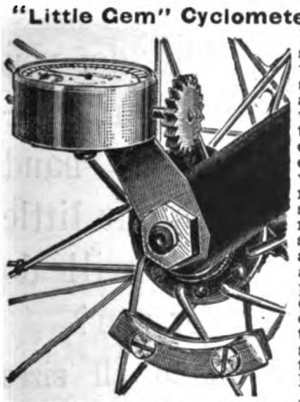
HARDWAREMEN!

SEND FOR OUR TERMS AT ONCE.

Bredder-Allen Cycle Mfg. Co.

Paterson, N. J.

"Little Gem" Cyclometer for 1895

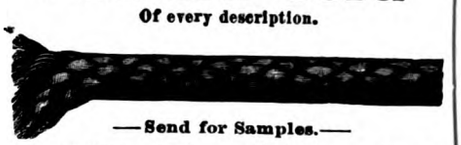


Will be an Instrument that will sell. Its special features are its **price, weight, size** and the small amount of Power required to operate. It will register correctly at any speed. Will not rattle and will stand considerable **hard usage**, and we will repair it any time during the Calendar Year, if the postage is sent for its return. Price **$1.25** Disct. to Agents. Address

AMERICAN INDICATOR CO., LAWRENCE, MASS.

Braided Cord

Of every description.



—Send for Samples.—

TATE MFG. CO., MALDEN, MASS.

PATENT KANTOPEN HOOKS AND EYES.

Black or white. 3½ cents per card of two dozen each, or $14.00 per cwt., loose in bulk. Sizes 2, 3, 4.

Alfred Shrimpton & Sons, Ltd.,

273 Church Street, NEW YORK.

ANDRAE CYCLES

SHOW:

INVENTIVE GENIUS

PRACTICAL RESULTS

SIMPLICITY IN CONSTRUCTION

They last for years

JULIUS ANDRAE

MILWAUKEE, WIS. U.S.A.

Our Puritan ancestors came from good stock.

Just so with the *Puritan* bicycles.

They are the best that money and experience can put together.

Write for Catalogue.

Mfrd. by **O. J. FAXON & CO.,**

3, 5 & 7 Appleton Street, Boston, Mass.

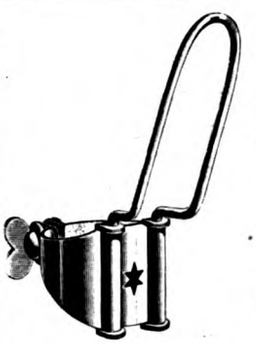
The Liberty

America's Representative Bicycles.

Our line for 1895 is unexcelled. We solicit coroespondence with Representative Hardware concerns. May we send you our new Catalogue?

THE LIBERTY CYCLE CO.,

4 WARREN STREET, NEW YORK.



WE NEVER IMITATE.

OUR IDEAS OF BICYCLE SUNDRIES are ORIGINAL.

WE CALL YOUR SPECIAL ATTENTION TO OUR

NEW STAR LAMP BRACKETS, CHAMOIS LINED, NICKEL PLATED.

Easiest adjusting Lamp Bracket, and will not mar the frame of bicycle. The loop is made of steel wire with spring steel collar, which is chamois lined, and has adjustable thumb screw.

Weights of Head or Handle Bar Bracket, 1½ ounces.
Weights of Fork Bracket, 2 ounces.

Cut of Fork Lamp Bracket will appear in next issue of this paper.

Star Lamp Brackets, No. 1, for handle bar
Star Lamp Brackets, No. 2, for 1⅛ in. head,
Star Lamp Brackets, No. 3, for 1¼ in. head,
Star Lamp Brackets, No. 4, for front fork,
} **50 Cents Each.**

Send for complete catalogue of Bridgeport Cyclometers, Lamp Brackets, etc. Sold by all dealers.

The Bridgeport Gun Implement Co., - 313½ Broadway, New York.



Request that

Hunt Saddles

Be used on all Wheels ordered for your '95 trade, as they are popular and durable. Write for information.

HUNT MANUFACTURING CO.,

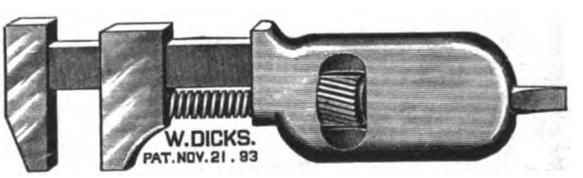
Westboro, Mass.

R. B. McMULLEN & CO,

Chicago, Ill. and New York

Housekeepers like this tool

Cycle riders want it. **It is SO handy**



—We are Making Special Price to Hardware Dealers.—

Spaulding Machine Screw Co. Buffalo, N. Y.

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To The Hardware and Cycle Trade:

We are offering the finest lines of the following goods in New York City and specially **commend them** to those who are **re-fitting their stores or establishing new ones. Our prices are the lowest** in the market, consistent with high quality goods. ∴ ∴ ∴ ∴ ∴



Empire Desk Co., 406 Broadway, New York.

— MANUFACTURERS OF —

ROLL-TOP DESKS, STORE STOOLS, CASHIERS' AND TYPEWRITERS' DESKS, FILING CASES, CHAIRS,
And the Largest Line of OFFICE FURNITURE in New York.

Office Partitions, Railings, Sample Tables, or any kind of Special Work to order.

BRUCE & COOK,

186, 188 and 190 Water St., 248 and 250 Pearl St.,

NEW YORK.

We give below a list of goods which we have in stock. You will find our prices as low as any in the trade, quality considered. It will give us pleasure to receive your orders, which shall have our very best attention and prompt shipment.

Antimony
Babbit Metal
Bell's Edging Machines
Boiler Rods
Bottom's Seam Closer
Bucket Covers
Burritt's Double Seamers
Charcoal Sheet Iron
Chimney Cowls—
Bradbeer's Patent
Cold Rolled Iron
Common Sheet Iron
Copper Bolts
Copper Bottoms
Copper Sheets and Circles
Copper Wire
Corrugated Leader, Galvanized Round & Square
Corrugated Leader, Tin Round and Square
Corrugated Leader, Elbows and Shoes to match Tin and Galvanized Leader
Crystal Stove Boards
Dampers & Damper Attachments
Dripping Pans
Eave Trough
Eave Gutter
Eave Trough Irons and Spikes
Elbows
Embossed Sheet Iron
Embossed Elbows and Pipe
Fire Pots
Galvanized Sheet Iron
Gutter Strainers
Hard Metal
Leader Hooks, Black and Tin'd
Lead
Little Wonder Punch
Lysle Cleat Former
Mallets
Malleable Ears



Maneer's Bench
Marking Metal
Metallic Paint
Milk Can Handle
Milk Can Trimming
Nails Roofing, ¾ and 1 inch.
Pail Woods
Perforated Tin
Planished Sheet Iron
R. G. Cleaned Sheet Iron
Ribbed Leader
Rivets
Roofing Tin
Roofing Cross Lock Seamers
Rosin
Russia Sheet Iron
Solder
Soldering Coppers
Spangler's Double Lock Edger
Spelter
Spelter Solder
Squaring Shears
Stereotype Metal
Stove Bolts
Stove Pipe
Stove Pipe Collars
Stove Pipe Crimper and Beader
Strainer Wire
Taggers' Iron
Taggers' Tin
Tin
Tin Plates
Tin Shingles
Tinned Tacks
Tinners' Machine
Tinners' Tools
Universal Chimney Cap
Wall Hooks
Water Cut-offs
Wire
Wire Nails, Barbed
Zinc Sheet
Zinc for Etching purposes
Zinc Stove Boards



Why do you roll your barrels by hand when this little Truck will do it for you?

Adjusts itself to all sizes barrels.

Write for prices and circulars to the manufacturers,

The G. L. Van Namee M'f'g Co.,

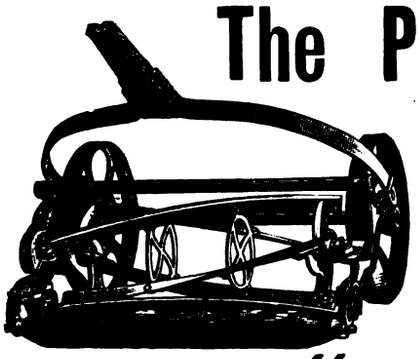
Gouverneur, N. Y.

U. S. A.

The Time Has Come.

Now is the time to think about advertising, and reflections should be followed by judicious action. Our readers are consumers as well as distributers of nearly everything.

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The Philadelphia Lawn Mower Co.,

3107 and 3109 Chestnut Street,

PHILADELPHIA, PA.

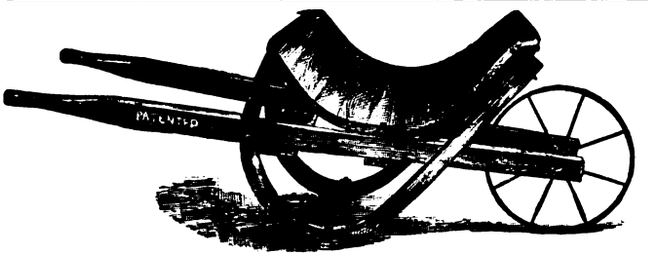
Patentees and Manufacturers

—OF—

The Genuine "PHILADELPHIA" Lawn Mower.

Unexcelled in Quality, Durability and Simplicity.

SEND FOR PRICES AND DISCOUNT.



Wheelbarrows

of all Styles,
of all Grades,
of all Sizes,
at prices to suit.

All the TOLEDO WHEELBARROWS are fitted with the THOMAS WHEEL, which makes them SUPERIOR TO ALL OTHERS UPON THE MARKET. Trays a perfect fit; bolted together; the only tray adapted for both dry and wet climates.

WRITE FOR PRICES AND NEW 1894 CATALOGUE.

Toledo Wheelbarrow Works, Toledo, O.

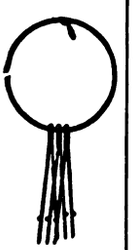
"Self-Closing" Tomato Vine Supports.



READY FOR USE

A boon to every gardener.
A profitable article for every Hardwareman. Sells on sight.
Can be left in the ground all winter if you are "too tired" to take them in. $12 per gross.
For further particulars write

The LEWIS MFG. CO.,
UTICA, N. Y.



NOT IN USE

SICKELS, SWEET & LYON,

WHOLESALE

Hardware and Farming Tools

Office, 35 Barclay Street. Warehouse, 40 Park Place.

NEW YORK AGENTS FOR

CORTLAND SCREEN CO., UNION STEEL SCREW CO.,
EAGLE FILE CO.

WITHINGTON & COOLEY MFG. CO. Farming Tools sold for New York or factory shipments.

SPRING CATALOGUE No. 9 ISSUED IN FEBRUARY.

UNDERHILL, CLINCH & CO.,

94 CHAMBERS STREET, NEW YORK.

Largest stock in New York City, consisting of

O. Ames & Sons' Shovels, Spades and Scoops.
Utica Tool Co.'s Hoes and Rakes.
Knapp & Pratt Mfg. Co.'s Malleable Iron Rakes.
Chadborn & Coldwell Mfg. Co.'s Lawn Mowers.
David Wadsworth & Sons' Scythes, Grass Hooks, Wooden Rakes, Scythe Snaths, Scythe Stones, &c., &c., &c.

The McCrum Chalk Line Case

Pat., Oct. 26, 1894.

MANUFACTURED BY

H. O. LOTHROP & CO.

312 Dorchester Ave.,

SO. BOSTON, MASS.

—ESTABLISHED IN 1874.—

ROCKFORD TACK COMPANY, ROCKFORD, ILL.

MANUFACTURERS OF

HIGH GRADE "Hardware" List of Tacks, Nails, Brads, &c.

Also a full line of Shoe Finder's Tacks and Nails.

—Orders Solicited.—

Prices and terms quoted promptly on application.

SHOE NAIL TACK & NAILS MACHINES.

LATEST IMPROVEMENTS.

WM. A. SWEETSER,

41 Montello St., Brockton, Mass.

ORMONDS RHEUMATIC REMEDY

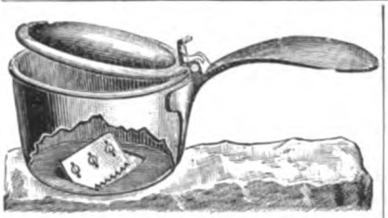
CURES by absorption. Outward application only. Gives immediate relief when medicines and mineral springs have not benefited. A Natural Product it must always be beneficial. Marvelous Cures have been made by this remedy. Wonderful Testimony from those who have used it. If you have Rheumatism try it. Sent by mail on receipt of price, 50 cents (in stamps). Address

ORMONDS M. C. CO.,
51 Dey Street, New York City,

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The Enterprise M'f'g Co. of Pa.,

Third and Dauphin Streets, Philadelphia.



ENTERPRISE
Ice Shredders,

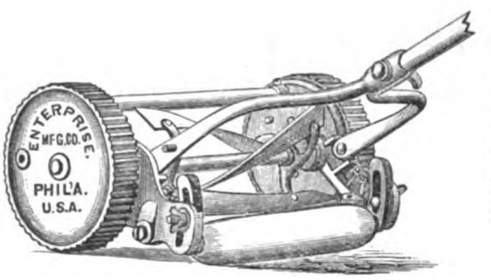
FOR

SHAVING ICE,

Coarse or Fine.

PRICES:
No. 33, Tinned, $7.20 per doz.
No. 34, Nickeled, 24.00 "

ENTERPRISE
LAWN MOWERS.



PAINTED or TINNED.

8 OR 5 BLADES.

7, 9, 11, 13, and 15 inches.

ENTERPRISE
Lawn Sprinkler,

TINNED.

Indispensable to a Well Kept Lawn.



No. 1, - - Price, $3 50

Branch Office and Warehouse with J. C. McCARTY & CO., 97 Chambers Street, New York City.

FOR SALE BY THE HARDWARE TRADE. SEND FOR CATALOGUE. FREE.

LAWN

Our line will do more than make money for you, they will make friends of your trade and do well the work expected of them.

WRITE FOR CATALOGUE AND PRICES.

MAKERS

Supplee Hardware Co., Philadelphia.

The Pennsylvania,
The New Quaker City,
The Rapid Transit,
The Continental,
The Great American,
The New Departure.

MOWERS

ESTABLISHED 1816.

WHITE, VAN GLAHN & CO., Chatham Square, New York.

HARDWARE JOBBERS,

Carry a full line of

Lawn Mowers,
Poultry Netting and Wire Cloth,
Window Screens and Doors,
Barb Wire and Nails,
Hoes, Rakes, Forks, &c.
Shovels and Picks.

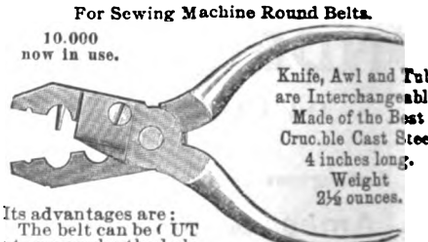
WRITE FOR PRICES

Sole U. S. Agents for J. B. Addis' Wood Carvers' Tools.

ENTREKIN'S COMBINED CUTTER PUNCH AND PLYER.

For Sewing Machine Round Belts.

10,000 now in use.



Its advantages are:
The belt can be CUT at any angle; the hole can be PUNCHED any distance from the END, to suit different length of lace.
This well-known Punch is now made with either the Awl or Hollow Tube.
For sale by all first-class Hardware dealers.

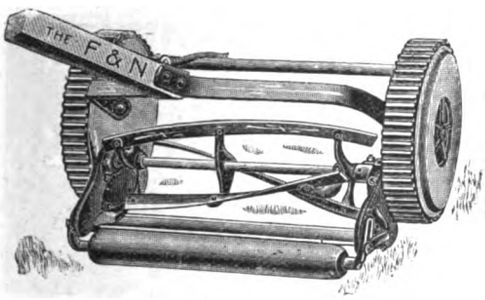
Sample sent by mail on receipt of $1.00 (Postal Note or 100 Stamps). Extra Knives 10c., Awl or Tube 15c. each.

S. W. ENTREKIN, Manufacturer & Patentee, Harrisburg, Pa.

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THE F. & N. MFG. CO., Lawn Mowers and Grass Catchers,

—Manufacturers of—



Richmond, Ind., U. S. A.

"THE F. & N. LAWN MOWER, '95."

The Standard American Mower.

All machines fitted with

Solid Tool Steel Cutter-Bar, Phosphor-Bronzo Bearings, Micrometer Adjustment.

Best material, Highest class workmanship, and sold on their merits.

—— AGENTS: ——

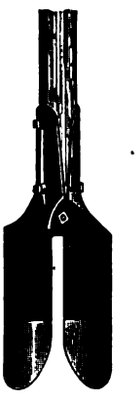
Woodrough & Hanchett Co., Chicago. Ill. C. F. Guyon Co., New York.
Woodrough, Mansfield & Co, Boston. Mass.

OUR LINE OF

Post-Hole Diggers

Comprises (6) of the Best known styles on the market.

PRICES GREATLY REDUCED.



LAWN RAKES.
GARDEN RAKES.
GARDEN WEEDERS.
POST HOLE DIGGERS.
LAWN SPRINKLERS.
CURRY COMBS.
CAN OPENERS.

GIBBS MFG. CO.,
Canton, Ohio, U S. A.

ASHTABULA TOOL CO.

ASHTABULA, OHIO.



EXCEL IN THE MANUFACTURE OF

GARDEN RAKES AND ALL KINDS OF FORKS.

SPECIAL ATTENTION GIVEN TO LARGE FORKS,

COKE, COAL, ORE, STONE, CINDER, COTTON SEED & VEGETABLE FORKS.

ASK FOR THEIR

DIAMOND FORKS & RAKES.

DON'T

Lay in your stock of

Lawn Mowers

Before you see

BLAIR MFG. CO.'S

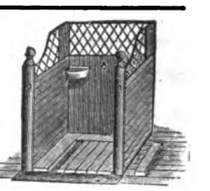
Line for 1895.

List Now Ready. Send for it.

SPRINGFIELD, MASS.

A GREAT LEADER for you is WORTHLY'S PATENT "SLOW FEED," $1.60, 25-lb. Manger.

10,000 in use Send for Book of Discount on these, and for list of Hay Racks, &c.



BROAD GAUGE IRON STALL WORKS,
53 Elm Street, Boston, Mass.

SEND FOR OUR CIRCULAR ON
Lawn Mowers,
" Settees,
" Rakes,
" Sprinklers,
" Etc., Etc.

COLDWELL'S IMPERIAL.

COLDWELL LAWN MOWER CO.,
NEWBURGH, N. Y.

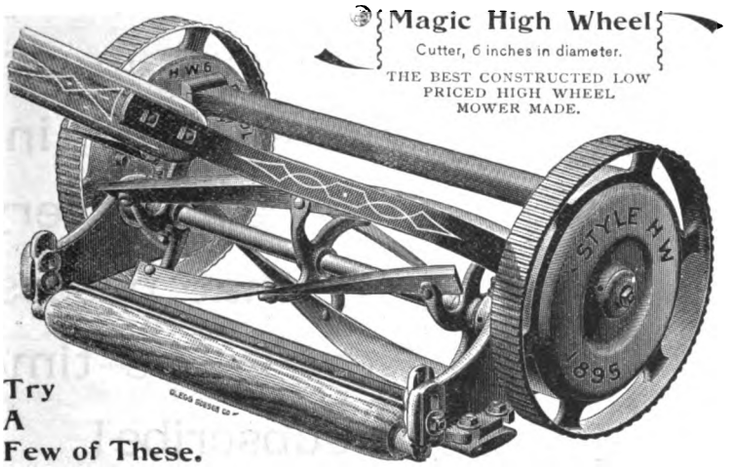
These Lawn Mowers are as Good as Money Can Buy.

Don't Lose Sight of the Fact THAT DILLE & McGUIRE'S MOWERS

Magic High Wheel

Cutter, 6 inches in diameter.

THE BEST CONSTRUCTED LOW PRICED HIGH WHEEL MOWER MADE.



Try A Few of These.

WERE THE

OFFICIAL

MOWERS OF THE

Columbian Exposition.

OUR MOWERS ARE ALL MADE FOR WORK. ALL RELIABLE.

McGuire's Diamond,	-	8-inch Wheel.
Diamond High Grass,	-	10-inch "
Magic Low Wheel,	-	8-inch "
Magic High Wheel,	-	9½-inch "

Write for Prices and Elegant Souvenir Book containing beautiful half-tone cuts and fac-simile letters fron D. H. Burnham, Chief of Construction, and other officials of the World's Fair. Address the Manufacturers,

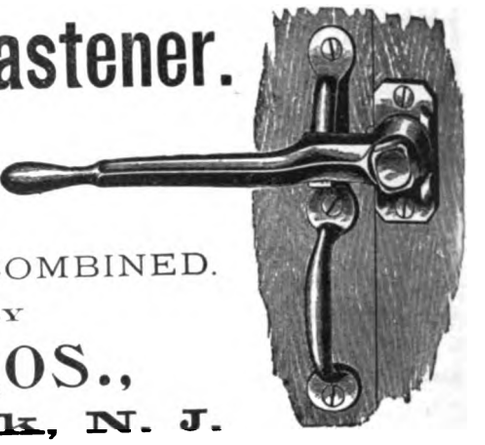
DILLE & McGUIRE MFG. CO.,
Richmond, Ind. U. S. A.

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Climax Refrigerator Door Fastener.



Simple,
Durable,
Practical.



We make a large line of Hinges, etc., for all kinds of Refrigerators.

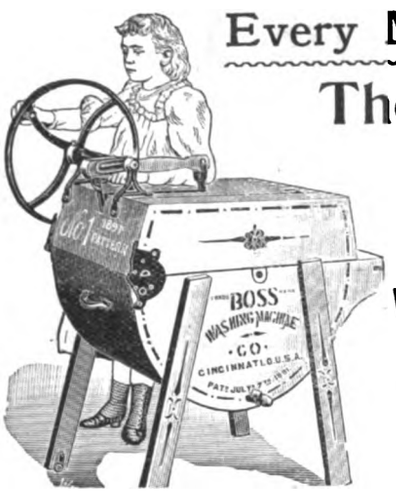
HANDLE and WEDGE COMBINED.

MANUFACTURED BY

BRABSON BROS.,

Newark, N. J.

SEND FOR OUR LIST.



Every Machine Guaranteed to Give Satisfaction.

The BOSS and ELI...
WASHERS.

BIG MONEY TO LIVE DEALERS.

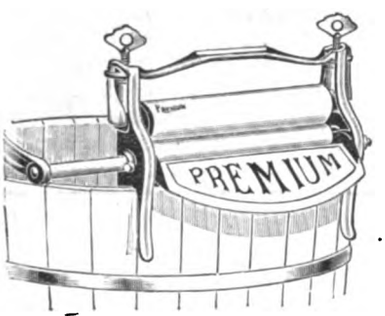
Write for prices and terms. MENTION THIS PAPER.

—Manufactured by the—

Boss Washing Machine Co.,

214-216 West Pearl St., Cincinnati, O.





There is a Better Profit

To the dealer in this Wringer than in any other, and he can sell MORE OF THEM. Each one sold helps to sell more. Try it and see.

COLBY WRINGER CO.,

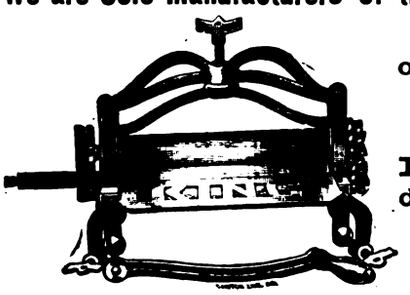
Manufacturers. MONTPELIER, VT.

SURPLESS, DUNN & ALDER,

Direct Representatives,

15 Murray Street, NEW YORK.

We are Sole Manufacturers of the Celebrated Erie and King Wringers.



We also make all other brands of Wood and Iron Frame Wringers.

Exclusive sale of the ERIE and KING Wringers given to one dealer in each town.

WRITE FOR CATALOGUE

THE NATIONAL WRINGER CO., Canton, O.

New York Office, 107 Chambers St., John T. Ryan, Mgr.
Boston Office, 34 Oliver St., H. F. Livermore & Co.



POSITIVE SECURITY

Against sneak thievery by the use of

Shepardson's Key-Hole and Baggage Guard.

Sample by mail 75 cents. Illustrated circular and price list sent on application.

KEY-HOLE GUARD CO.,
Providence, R. I., U. S. A.

The "SAFETY" STOVE PIPE COLLAR AND HOLDER.

Patented.



Holds any pipe. Fits any flue. Absolutely soot and spark proof. Impossible for pipe to work loose. Neat, durable, inexpensive.

Liberal Discount to the trade.

One dealer in towns of 1,000 or less.

Write for Prices,

J. K. RANDLES, 309 MAINE ST., Quincy, Ill.

HARDWARE

is growing in circulation and influence with every day that passes. Now is the time to subscribe!

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THE
GRIP
WIRE STRETCHER.

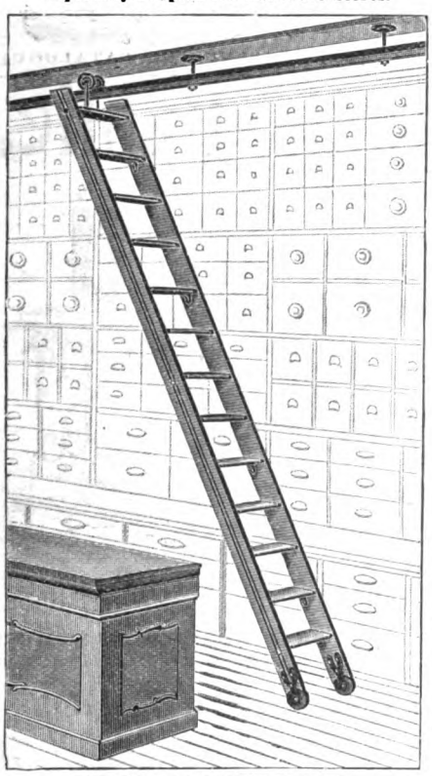
THE BEST, STRONGEST AND CHEAPEST MADE.

Is the only stretcher that will stretch chicken wire. Write for prices to

W. C. HELLER & CO., MONTCLAIR, N. J.

The Chicago Rolling Ladder

Especially Adapted for Hardware Stores.



THE CHICAGO ROLLING LADDER.

The first requisite for a store ladder is **ease of operation.** The Chicago is the only ladder of the style shown above that does work easily. If you would save one-half your labor, fit your store up with either the **Chicago** or **Bicycle Step Ladder** system. Write for Catalogue illustrating our 4 distinct ladder systems to

The Bicycle Step Ladder Co.,

50 STATE STREET, CHICAGO, ILL.

E. J. Hussey & Co., 80 John St., agts. for N.Y. City and vicinity

AMERICAN DAMPERS AND CLIPS.

WAFFLE IRONS
THE BEST
For GAS or GASOLINE STOVES.
Easy to Clean.
LONG WOOD HANDLES.
BUY NO OTHER.



Wood or Nickel Handle.

Ask for the AMERICAN: BEST SELLER.
BUY NO OTHER.



JUST OUT
BEST CLIP MADE.
Send for Samples

Griswold Mfg. Co.,
Erie, Pa.

Established, 1882. Capacity, 100,000 Tons.

THE AMERICAN WIRE CO.,

CLEVELAND, OHIO,

MANUFACTURERS OF **WIRE RODS,** AND DRAWERS OF
IRON AND STEEL WIRE
OF EVERY DESCRIPTION,

SCREW, RIVET, BOLT AND TELEGRAPH WIRE,
TELEPHONE AND SCREEN WIRE,
GALVANIZED, TINNED AND COPPERED WIRE,
HIGH GRADE and FINE QUALITY WIRES A SPECIALTY.

WIRE Straightened and Cut to Lengths.

Address AMERICAN WIRE CO.,
CLEVELAND, OHIO.

NEW HAVEN WIRE MFG. CO.,

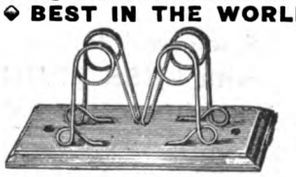
Manufacturers of **WIRE** in great variety.

NEW HAVEN, CONN.

TO KEEP A BROOM

Use the **COMMON SENSE BROOM HOLDER.** It keeps a broom dry, keeps it in shape, keeps it from rotting. **Holds a Broom either end up,**

BEST IN THE WORLD.



"WIRE HANGERS."

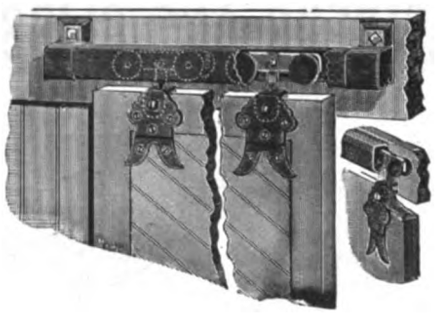
12 STYLES FOR
Ladies and Gents Garments.

WRITE FOR PRICES TO THE

BARBER-KOENIG MFG. CO.,
No. 115 North Vine St., Hazleton, Pa.



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Parlor Door Hangers

The Adjustment is in the Track and not in the Hanger, as in other fixtures. Track can be taken out of pocket and replaced without defacing walls after house is finished.

Highest Award at World's Fair, 1893,

—ON—

Parlor, Barn and Fire Door Hanger

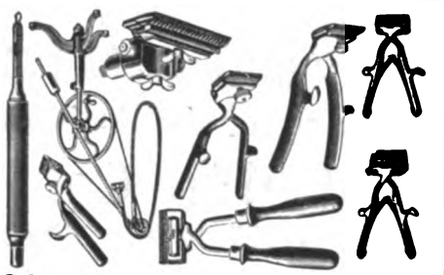
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COBURN TROLLEY TRACK MFG. CO.

Holyoke, Mass.

We make four styles of ROLLING LADDERS to reach shelving of any height.





COATES CLIPPER MFG. CO.,

Worcester, Mass, U. S. A.

MAKERS OF

Hair Clippers

ALL KINDS UNDER THE

COATES PATENTS.

Power Clippers, both hand & mechanical.
Anti-Friction Horse Clippers.
Barbers Adjustable,
The best made.

-:-SEND FOR CATALOGUE.-:-



TUCK M'F'G CO., Brockton, Mass. ESTABLISHED 1852.

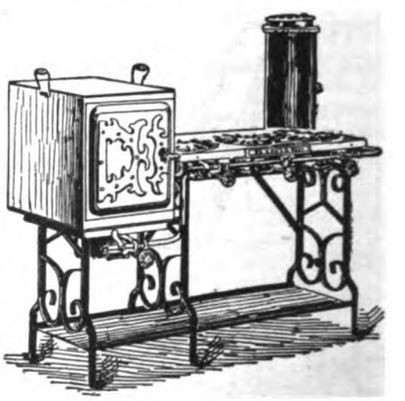
Tools, Cutlery and Springs.



SCREWDRIVERS OF ALL KINDS. - - - - SEND FOR CATALOGUE



Facts of Interest to the Public.



Our PROCESS for 1895, is the MOST PERFECT WORKING and MOST DURABLE PROCESS EVER PLACED ON THE MARKET, and HAS NO EQUAL.

In calling attention to the

"NEW GEM"

we offer the trade a stove FOR the PEOPLE and for the TIMES, CONVENIENT IN SIZE, with the same FLAME as the PROCESS, and will do the same amount of work with LESS FLUID. The original cost is only about ONE HALF that of the regular high stoves, and is MADE ONLY BY US. For further particulars address

THE DANGLER STOVE & MFG. CO., - CLEVELAND, OHIO.

AGENTS:

BARSTOW STOVE CO, No. 228 Water Street, New York, and No. 56 Union Street, Boston, agents for the New England States, New York State and Long Island.
THE MT. PENN STOVE WORKS, No. 111 N. Second Street, Philadelphia, and Reading, Pa, agents for Eastern Penna., Northern New Jersey and Delaware.
A. BALDWIN & CO., LTD., New Orleans, agents for Louisiana.
E. H. HUENEFELD, Cincinnati, Ohio, agent for Kentucky and and Southern Indiana and portions of West Virginia.
HOME STOVE CO., Indianapolis, agents for Indiana.
THE SCHAAB PUFF STOVE CO., St. Louis, agents for Missouri.
MESSRS STANDART BROS., Detroit, Mich., agents for Michigan.
ROBERT ROBINSON & SON, No. 105 Lake Street, Chicago, agents for Illinois and portions of Iowa.
WEBER & GEBHART, Dayton, O., agents for Southern Ohio.
J. P. LINDEMANN & SONS, Milwaukee, Wis, agents for Wisconsin, Minnesota, North and South Dakota and Montana.
THE RICHARDS CONOVER HDWE. CO., Kansas City, Mo., agents for Kansas.
THE STOLLBERG-CLAPP CO., Toledo, Ohio, agents for Northwestern Ohio.
M. F. TALLMAGE, Buffalo, N. Y., agent for Buffalo and Erie Co., N. Y.
FOSTER-STEVENS & CO., Grand Rapids, Mich.
BRADLEY, MUNK & CO, Columbus, Ohio.
DUNLAY & GEISLER, Houston, Tex., agents for Texas.
WM. E. GALBREATH, No. 26 South Charles Street, Baltimore, Md., agent for Maryland and Virginia.

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THE MILLER OIL HEATERS.

No Disagreeable Odor. No Ashes Light and Heat in Abundance.



No. 327. No. 3 Lift Burner. Height, 23½ inches. Spread of Base, 12½ inches. Nickel Finish.

Just the Thing for All Time and Every Day Use. For Spring, Summer, Autumn and Winter.

They are an Assured Success, from the fact that the Lamps used are "The Miller Lamps" THE LATEST AND BEST.

IN THESE HEATERS YOU HAVE A HAPPY COMBINATION:

The Best Light. The Best Parlor Heater. The Best Cook Stove.

They are Clean and Odorless. Require no more care than an ordinary lamp. Cylinders of Russia Iron, with Removable Nickel Tops, or with Combination Heating Drum and Grate for Cooking. The No. 3 BURNERS have a FLAME OF 15 SOLID INCHES. "MILLER" HEATERS have outside SCREW ADJUSTMENT for regulating the Wick and PLUNGE MOVEMENT FOR EXTINGUISHING; each one is supplied with an extra Flame Spreader so that Lamp can be used for ILLUMINATING when not wanted as a Heater. All of the Best Material and Workmanship.

They will heat a large room perfectly. A tea kettle of water heated in a few minutes by removing canopy.

Perfectly Safe. They Cannot Explode. Oil Never Gets Hot in the "Miller" Heater. A Good Companion for a Cosy Nook. A Comfort on a Chilly Morning.

A MOST IMPORTANT FEATURE.

☞All the weight of the Cylinder rests solidly on the FOUNT and not on the BURNER in these Heaters.

In IMITATIONS of these Heaters the Cylinder is supported on the BURNER, a CHEAP and WEAK CONTRIVANCE, which makes it necessary to REMOVE THE CYLINDER for lighting and which renders it impossible or very dangerous to use the Heater for cooking purposes.

Send for circular showing Heaters with ovens for cooking. We have 12 varieties.

These Lamps hold One Gallon of Oil. Will Burn 12 hours. Easily Lighted by Lifting Top of Burner.



READY TO LIGHT, WITHOUT REMOVING CHIMNEY.



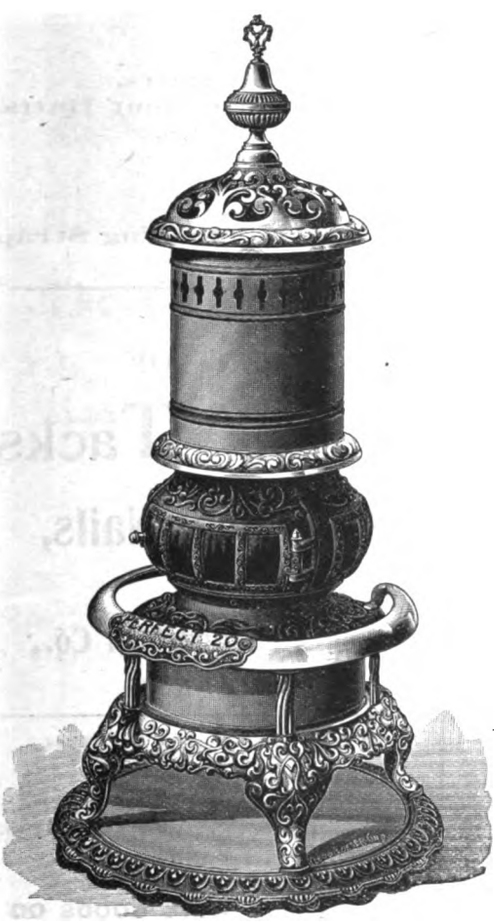
No. 328. No. 3 Lift Burner. Height, 22 inches. Spread of Feet, 11¼ inches. Russia Iron with Nickel Lamp and Trimmings.

——MANUFACTURED BY——

EDWARD MILLER & CO., MERIDEN, CONN., United States of America.

NEW YORK STORE: 10 & 12 College Place and 63 Park Place. BOSTON STORE: 63 Pearl Street. CHICAGO STORE: Rooms 808 and 809 Masonic Temple.

The Perfect Oil Heaters



No. 20 Perfect.

No. 20 and No. 12.

The Two Leaders For This Season.

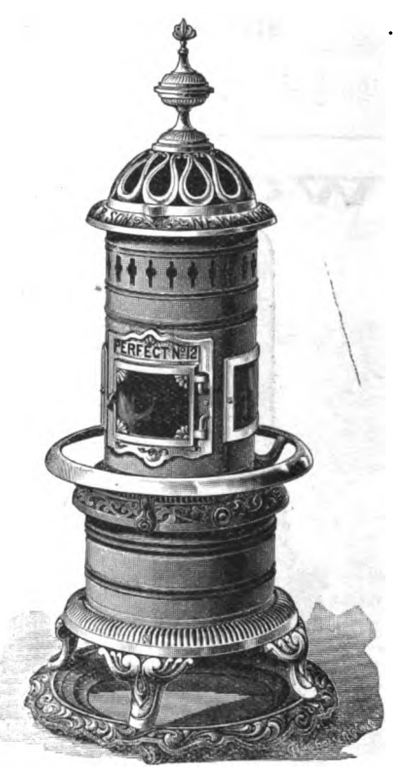
All brass tanks and all other features worthy of incorporating in oil stove construction.

If you wish to knock out competition handle these stoves.

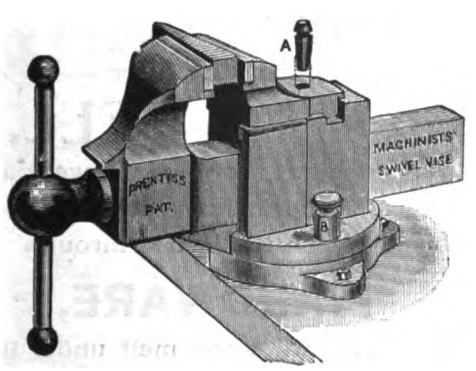
MANUFACTURED BY

J. H. CORT & SON,

41-51 Adams St., 138-154 Water St., **Brooklyn, N. Y.**



No. 12 Perfect.



PRENTISS' PAT. VISES

The Leaders for 20 Years.

Send for Illustrated Catalogue of ALL KINDS OF VISES.

Prentiss Vise Company,

MANUFACTURERS,

44 Barclay St., New York.

Ferris Combined Burglar Alarm and Lock.

3 1-2 in. long. Weight, 3 ounces.



ONE THIRD ACTUAL SIZE.

Operates equally well on doors or windows.

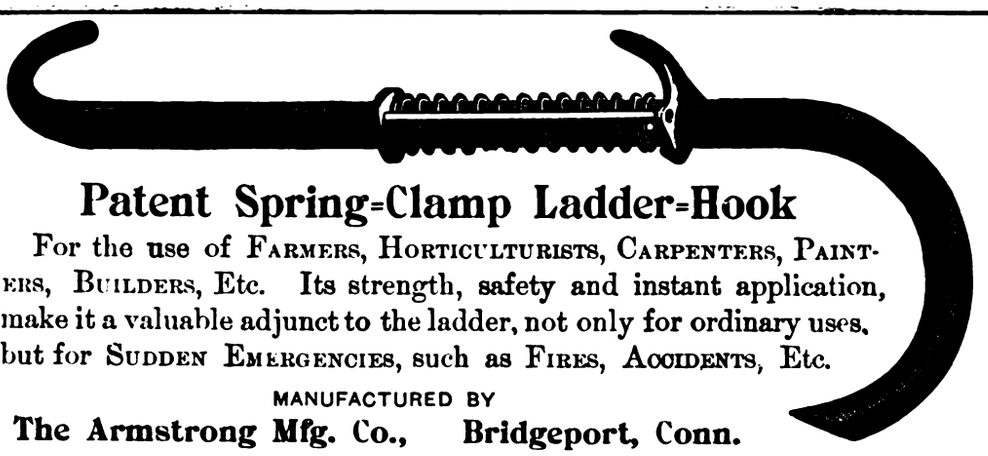
Can be carried in vest pocket. The best burglar alarm on the market, and the only one that by the act of sounding the alarm

SECURELY LOCKS THE DOOR OR WINDOW.

Can be attached or detached in a few seconds, or thrown out of position in an INSTANT, without detaching. Simple, neat, compact and strong. All metal; nickel plated. Sells at sight. **Sample to Dealers, 50 cents.** Agencies given reliable houses. Write for prices in quantities.

Ferris Manufacturing Co.,
164 Washington St., CHICAGO, ILL.

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Patent Spring-Clamp Ladder-Hook

For the use of Farmers, Horticulturists, Carpenters, Painters, Builders, Etc. Its strength, safety and instant application, make it a valuable adjunct to the ladder, not only for ordinary uses, but for Sudden Emergencies, such as Fires, Accidents, Etc.

MANUFACTURED BY

The Armstrong Mfg. Co., Bridgeport, Conn.

FRANKLIN BRASS & BRONZE CO.,

111 Chambers Street, New York.

MANUFACTURERS OF

BRASS & BRONZE HARDWARE.

Drawer Pulls,
Shutter Bars,
Hook Sash Lifts,
Flush Sash Lifts,
Push Plates,
Door Pulls,
Plate Escutcheons,
Cabinet Escutcheons,
Box and Chest Corners,
Corner Plates,
Hinge Plates,
Mirror Plates,
Refrigerator Catches,
Padlock Hasps,



Fancy Cabinet Hinges,
Strap Hinges,
Fancy Box Hinges,
Refrigerator Hinges,
Water Closet Seat Hinges,
Fire Screen Hinges,
Shutter Butts,
Loose Pin Butts,
Parliament Butts,
Moulding Hooks,
S Hooks
Stair Buttons,
Door Numbers,
Brackets, Mending Strap

SEND FOR CATALOGUE.

WOOD MANTELS.



IF IN WANT OF

Copper Tacks

OR

Brass Shoe Nails,

ADDRESS

Rome Tack and Nail Co.,

ROME, N. Y

WIRE GOODS.

WIRE TOWEL RACKS,
GARMENT HANGERS,
SLING SHOTS, EAGLE GAS STOVES,
POTATO MASHERS, &c.
Estimates given on Wire Specialties.
THE NOVELTY WIRE GOODS CO.,
New Haven, Conn.

TIME

WILL

TELL.

A constant dropping will wear a rock. Keep dropping your advertisement on the public through

HARDWARE,

and they will soon melt under it like rock salt.

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Cream Cans & Cream Can Trimmings.



Cream Cans

With Plain Covers.
With Deep Covers.
With Extra Deep Covers.
Self-Locking.

Fairmont Cream Can Gauges.



Cream Can Trimmings.

Cream Can Bottoms, IX, IXX, IXXX.
Cream Can Covers, Plain, Deep, Extra Deep.
Self-Locking Trimmings.
Ears, Lugs and Bails.

The Geuder & Paeschke Mfg. Co.,

MANUFACTURERS.

Milwaukee, Wisconsin.

NEW

GALVANIZED WATERING POTS.



Improved Spouts. **Deep Deflected Bottoms.**

MADE OF GOOD MATERIAL.

Galvanized after being put together.

THE BEST LOOKING AND BEST MADE WATERING POT YET OFFERED.

MADE ONLY BY

MATTHAI, INGRAM & CO.

ALSO MANUFACTURERS OF A FULL LINE OF

Stamped, Pieced and Japanned Tinware, Mottled Enameled Ware, Galvanized Iron Ware, and Sheet Metal Goods.

Factory and Salesrooms, BALTIMORE, MD.

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43 Cliff Street.

CHICAGO: 237 Lake Street.
G. M. Richardson in charge.

IN SEASON OR OUT OF SEASON

There is always a sale for a really good tool that will take tacks out of carpets quickly and easily. But just now there is the most demand for our . . . .

Columbia Tack Pullers

For they are recognized as "Spring necessities" and the very best Pullers made. Can be had of all Jobbers or from . . . . . .

The American Specialty Co.

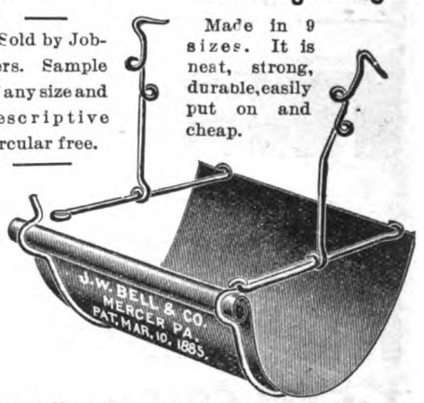
Manufacturers,

HARTFORD, CONN.

Bell's GALVANIZED WIRE Eave Trough Hanger.

Sold by Jobbers. Sample of any size and descriptive circular free.

Made in 9 sizes. It is neat, strong, durable, easily put on and cheap.



Deservedly popular, constantly growing in favor, special price for sample order. Write us.

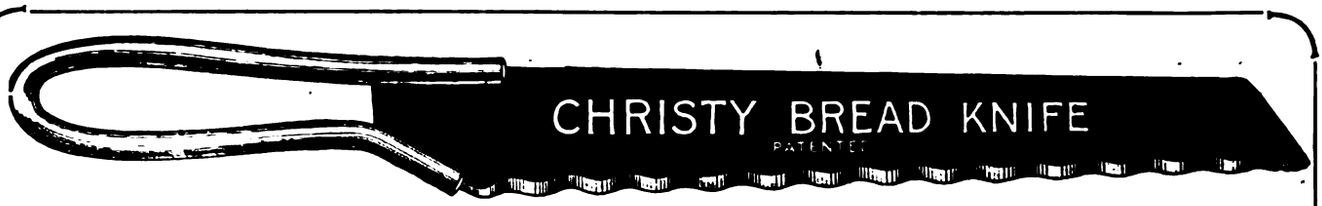
JOHN W. BELL & CO., Sole Mfrs., MERCER, PA.

CHAS. A. CONKLIN MANUFACTURING CO., General Southern Agents, Atlanta, Ga.

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If you can arouse curiosity by an advertisement it is a great point gained. The fair sex don't hold all the curiosity in the world. First catch the eye, then appeal to the reason.

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Ask your wholesale dealer for prices. You will find it profitable to be posted on Christy Knives.
There are imitations and counterfeits with cast iron handles—Cheap but not good.

The Christy Knife Co.,
Fremont, Ohio, U. S. A.
New York Office, 64 Reade Street, David Eastman, Manager.

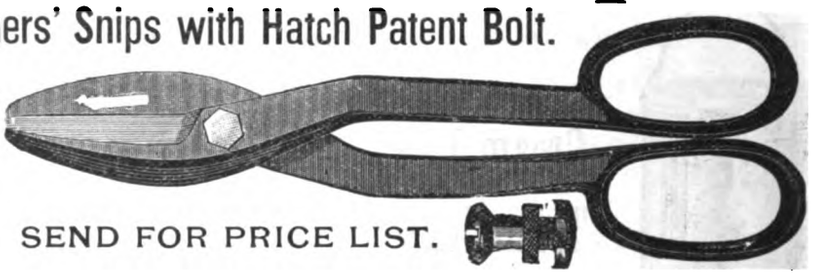
Hatch's Champion



Opens Itself.
The Pat. Automatic Knife.
WONDERFUL.
Opens by pushing a knob. The most complete knife for ladies and gentlemen. All blades forged from the FINEST STEEL and FULLY WARRANTED. Don't fail to give them a trial.

Tinners' Snips with Hatch Patent Bolt.

THE BEST SNIP IN THE MARKET.

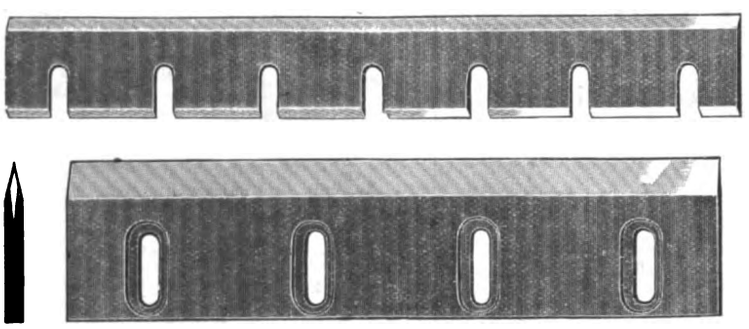


SEND FOR PRICE LIST.

Every Pair Warranted.

HATCH CUTLERY CO.,
Buchanan, Mich.

97 Chambers St., New York.



PLANING MACHINE KNIVES.
MOULDING CUTTER KNIVES & BLANKS.
JOINTER AND MITRE KNIVES.

Plated Stock, Die Stock for Leather, Cloth and Paper Cutting Dies, Paper and Leather Blades, Shear Blades and Strips, Lawn Mower and Hay Cutter Knives, and Machine Knives of all kinds. —MANUFACTURED BY—

LORING COES & CO., Worcester, Mass.

NORTHAMPTON CUTLERY COMPANY,



Manufacturers of Most Complete Line of Table Cutlery, Butcher, Carvers, and Plated Goods in Pearl, Ivory, and Solid Steel Knives and Forks.

Factory and General Office,
Northampton, Mass.

New York Office and Salesroom,
122 Chambers Street.

Lamson & Goodnow Mfg. Co.,

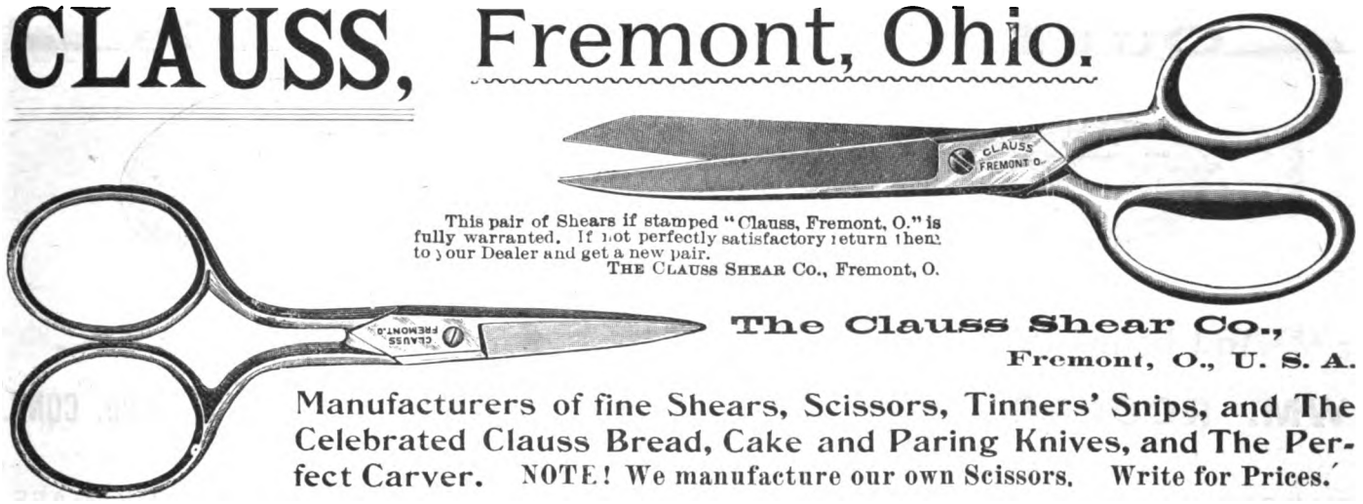
—MANUFACTURERS OF—

FINE CUTLERY.

310 Broadway, New York. Shelburne Falls, Mass.

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CLAUSS, Fremont, Ohio.



This pair of Shears if stamped "Clauss, Fremont, O." is fully warranted. If not perfectly satisfactory return them to your Dealer and get a new pair.
THE CLAUSS SHEAR CO., Fremont, O.

The Clauss Shear Co.,
Fremont, O., U. S. A.

Manufacturers of fine Shears, Scissors, Tinners' Snips, and The Celebrated Clauss Bread, Cake and Paring Knives, and The Perfect Carver. NOTE! We manufacture our own Scissors. Write for Prices.

Marten Doscher,
DEPOT,
88 Chambers St., New York.

EDGE TOOLS,
G. W. Bradley's,
Horton's,
L. H. Watt's.
BENCH PLANES, &c.
Turned Work Handles, Mallets, &c



The Best to Buy,
The Best to Sell,
And the Best to Use,
—:is:—
The Crystal Valve Oil Can.
The Handsomest, Best and most reliable on the market.
WRITE FOR CIRCULARS AND PRICES.
STAR MANUFACTURING CO., CANTON, OHIO



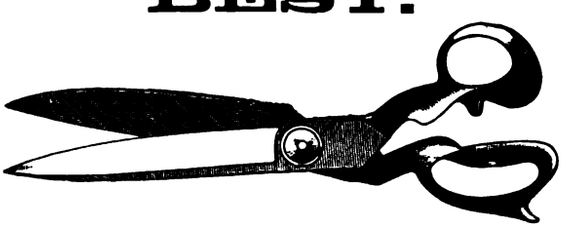
BOSTON RAISIN SEEDER.
THE ONLY PERFECT RAISIN SEEDER.
The objection to the Seeders upon the market has been, they either took too much of the pulp or did not seed the raisin thoroughly. In placing this Seeder on the market we have obviated these defects, and have produced one that is perfect in every respect and which, with a little practice, will seed a pound of raisins in ten minutes.
Retail price 25 cents. Special price to the trade.
Manufactured by
Geo. H. Mason & Co, 152 Blackstone St., Boston, Mass.

1825—R. HEINISCH. 1871—R. HEINISCH'S SONS. 1892—R. HEINISCH'S SONS CO.
CAUTION
TO ALL PURCHASERS OF THE
WELL KNOWN **HEINISCH** - BRAND OF -
Shears, Trimmers, Scissors, Tinners' Snips, &c.
ALL GOODS OF OUR MANUFACTURE ARE STAMPED
R. HEINISCH
NEWARK, N.J.
- OR -
R. HEINISCH
NEWARK, N.J.
U.S.A.
NO OTHERS ARE GENUINE.
NEW YORK OFFICE AND SALESROOM, 90 CHAMBERS ST.
R. HEINISCH'S SONS CO, NEWARK, N. J., U. S. A.

It may be possible to do advertising from which you will never see any results. It is certain that you will never get results from the advertising that you do not do. : : : :

Trying to do business without advertising is like winking at a pretty girl through a pair of green goggles. You may know what you are doing, but nobody else does. : : : :

THE WISS SHEARS AND SCISSORS.
Made in great variety but of only one grade, the
BEST.



They have the finest finish and a reputation that extends all over the world, and hence
FIND A READY SALE.
Write for Illustrated Catalogue of August, 1898, and discount.
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Our Latest is the Ormonde



And bears the TRADE ROGERS MARK Trade Mark.

WM. ROGERS MFG. CO., Salesrooms and Office HARTFORD, CONN.

FACTORIES:

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W. & S. BUTCHER, Sheffield, England, and 135 Duane St., New York. Makers for over *One Hundred Years* of the celebrated *"W. Butcher"* Files and Edge Tools and *"Wade & Butcher"* Razors, and the Original Manufacturers of Hollow Ground Razors, can with confidence highly recommend their goods and particularly their SPECIAL Brand as being the most perfect *Extra Hollow Ground* Razors ever manufactured and especially suited for the use of Barbers and for private use. Genuine Razors are marked with one of the following Corporate Trade-Marks

WADE & BUTCHER SHEFFIELD, ENGLAND OR OR SPECIAL

FOR SALE BY ALL DEALERS IN HARDWARE, CUTLERY AND FANCY GOODS

CORPORATE MARK,

JOSEPH RODGERS & SONS, Limited.

—MANUFACTURERS OF—

Pocket and Table Cutlery, Scissors, Razors, Erasers, &c., &c.

These goods have fully maintained their reputation as the best cutlery in the world for over

ONE HUNDRED AND FIFTY YEARS.

Any infringements of our Name and Corporate Mark will be promptly prosecuted.

Sole Agents for the United States,

ALFRED FIELD & CO. 93 Chambers and 75 Reade Streets, New York.

Established 1836.

ALFRED FIELD & CO.,

93 Chambers and 75 Reade Streets, New York.

Importers of

HARDWARE, CUTLERY, GUNS, ANVILS, CHAINS, FILES.

Sole Agents for

JOSEPH RODGERS & SONS, LIMITED,	BEST CUTLERY IN THE WORLD
PEUGEOT FRERES, COATES CLIPPER MFG. CO.,	HORSE AND TOILET CLIPPERS.
ELEY BROS., LIMITED,	CAPS, WADS, CARTRIDGE CASES ETC.
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ISAAC GREAVES,	SHEEP AND GARDEN SHEARS.
W. K. & C. PEACE,	GRASS HOOKS, SCYTHES AND STRAW KNIVES.
R. & J. LINACRE,	GRASS HOOKS, SICKLES, ETC.
WEBSTER & HORSFALL,	PIANO AND STEEL WIRE OF ALL DESCRIPTIONS.

Proprietors of following brands of Cutlery:

ALFRED FIELD & CO., PARKER & FIELD, PROGRESS, CRITERION, BRANFORD CUTLERY CO., CONTINENTAL CUTLERY CO, WALTHAM CUTLERY CO, ALEXANDER FRAZER & CO., ONEIDA & CO

J. H. Sternbergh & Son, READING, PENNA.

MANUFACTURERS OF

Bolts, Nuts, Washers, Boiler Rivets,

Coach and Lag Screws, Set Screws, Tap Bolts, Etc.

All of the highest grade of excellence.

High Grade American Cutlery.

EVERY BLADE

HAND-FORGED

FROM BAR STEEL

AND FULLY WARRANTED.

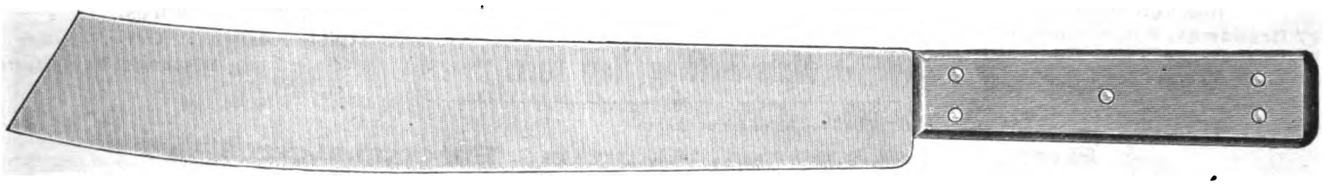
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If you wish to learn something to your advantage, send for a sample copy of

"HARDWARE."

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Most Substantial CHEESE KNIFE Made.



No. 1530. COCOBOLO SCALE TANG. Five (5) Rivet Handle.

PRICE RIGHT. **TAKE NO OTHER.**

MANUFACTURERS OF . .
ALL KINDS OF . . . .
CUTLERY . . . . . .
EXCEPT POCKET . . .

GOODELL COMPANY,
ANTRIM, N. H.

AGENTS: { HENRY KEIDEL & CO., 45 Hanover Street, Baltimore.
ALFORD & BERKELE CO., 77 Chambers Street, New York City.

ARE YOUR SCISSORS DULL?
THE "HANDY" SCISSORS SHARPENER

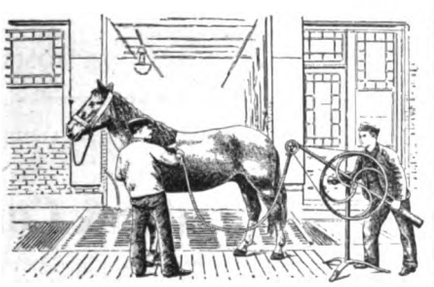


Patent applied for

A perfect instrument for sharpening scissors. No More Dull Scissors. The dullest can be sharpened to the very points by the "Handy" in less than one minute. Will save its cost ten minutes after entering any household The only scissors sharpener ever made that will sharpen a pair of scissors without injury to the blades as it is so constructed that the blades will always be kept in the proper position. We will produce $5.00 every time we fail to sharpen properly any pair of Shears or Scissors. Each one guaranteed. Sent by mail on receipt of 25c

EASTMAN & CO., 64 Reade St., New York.

HEADQUARTERS FOR
"PRIZE WINNER" HORSE CLIPPERS.
Hand, Bicycle, Electric and Steam Power.
MOST EXTENSIVE MANUFACTURERS IN THE WORLD.



HAND POWER CLIPPER.

WE CLAIM HIGHEST GRADE.

The only ABSOLUTELY FLEXIBLE SHAFT on the market.
The WIDEST, MOST RAPID and CLOSEST cutting knives made.
THE CHEAPEST, STRONGEST, LIGHTEST and most DURABLE MACHINE made.
The best constructed, easiest to operate and understand, having the fewest parts, therefore the simplest.

FIRST PRIZE
FOR SUPERIORITY OVER ALL OTHERS.

The largest sales aggregating more than all others combined. Conceded to be the
Standard Clipping Machines of the World.

Buy the best and secure all the latest improvements and advantages. Not to be classed with inferior grades. Don't fail to send for Catalogue. Full and interesting details given. Liberal discount to the trade.

Gillette Clipping Machine Co.,
201 East 23d St., New York.

Finest Quality Pocket Cutlery

TRADE UNION MARK

EVERY KNIFE WARRANTED.

Highest awards at all Principal World's Fairs.

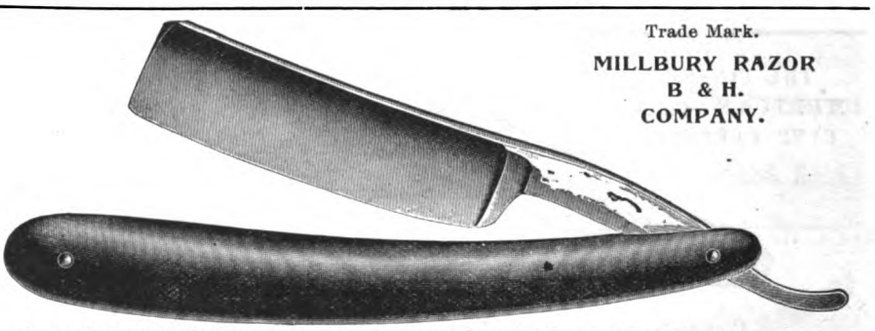


Two o the finest Pocket Cutlery Plants in the U. S.

If our Salesmen do not call, write us.

NORTHFIELD KNIFE COMPANY,
NORTHFIELD, CONN.

Trade Mark.
MILLBURY RAZOR
B & H.
COMPANY.



WE manufacture nothing but Highest Grade Razors from the finest of English steel. Every razor hand forged and hand ground. Will exchange every one not proving satisfactory. Will be pleased to send sample orders on trial. Orders may be sent to **TOWER & LYON, No. 95 Chambers St., New York.** or direct to factory. We are the makers of the **Charles Buck Razor,** but hereafter all goods will be marked with the above trade mark unless otherwise ordered.

MILLBURY RAZOR CO., - MILLBURY, MASS., U. S. A.

"The New York Safety Dumb Waiter,"
"The Manhattan Dumb Waiter,"
"The Improved Humphrey Hand Elevator,"
Made specially to be sold by Hardware Stores. Thousands in use. Catalogues on application.

THE STORM MANUFACTURING CO.
NEWARK, NEW JERSEY.
Formerly of Poughkeepsie, New York.

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O. W. Clapp. Dwight O. Clapp.

CLAPP & COMPANY,

BRANCH OFFICES:
277 Broadway, cor. Chambers St.
671 Broadway, B'way Central Hotel.
753 Fifth Ave., cor. 58th St.

Bankers AND Brokers,
Mills Building, New York.

Private Telegragh Wires.
Cable Address: "Ozro."
Long Distance Telephone.

Municipal and Railway Bonds. Orders for
Stocks, Cotton, Grain, Provisions
Solicited. Allow 3 per cent. interest on deposit accounts.

NEW HAMMERLESS DOUBLE GUN.



This GUN has rebounding locks, and the BARRELS CAN BE TAKEN OFF AND PUT ON AGAIN WITHOUT COCKING THE ARM, and when cocked the hammers may be let down gradually, and without the full force of the blow. It is simple in construction, having very many less pieces than any other hammerless gun.

MANUFACTURED BY

FOREHAND ARMS CO.,

WORCESTER, MASS.

Easily Tipped and Cocked, Damascus Barrels, Handsomely Engraved, French Walnut Stock.

Send for Descriptive Catalogue. Price Very Low.

THE -:- PARKER -:- GUN.



Oldest manufacturers of Breech Loading shot guns in America. The strongest shooting, and best gun made. Ask your dealer for them, or send for catalogue.

NEW YORK SALESROOM, 97 Chambers Street, **PARKER BROS.,** MAKERS, Meriden, Conn.

REMINGTON HAMMERLESS GUNS.

Automatic and non-Aut. Ejecting.

THE FINEST AMERICAN GUNS EVER OFFERED.

10 Qualities, from $45.00 Upwards.



GUARANTEED FOR NITRO POWDERS.

Complete Catalogue of Remington Firearms on application.

REMINGTON ARMS CO., - ILION, N. Y.

"PROTECTOR" REVOLVER.



⅔ Size.

A New Departure in Small Arms.

Superior to all others for close contact and rapid action. Seven shots. Can be carried in the hand ready for action without attracting attention and as easily withdrawn from the pocket as a watch.

The ammunition used is the Winchester Metallic Cartridge, No. 32, extra short, rim fire.

Prices and discounts upon application.

AMES SWORD CO.,

Chicopee, Mass., U. S. A.

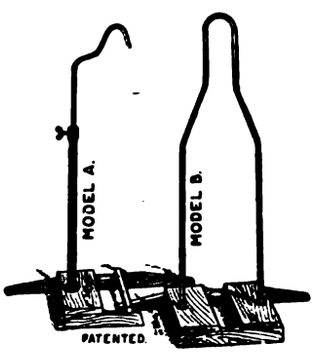
THE WELLS & BRAINERD CO., Agents, 31 Reade Street, New York.

—THE—

Pittsburg Stand

IS THE BEST.

SIMPLE, STRONG, PORTABLE, CHEAP.



FOR USE IN SALESROOM, CLUB HOUSE OR HOME.

—Price, $1.00 Each.—

FOR SALE BY LEADING BICYCLE DEALERS.

—Manufactured by—

Wm. M. Justice & Co.

PITTSBURG, PA.

Liberal Discount to the Trade.

CARPENTERS' & MACHINISTS'

IRON BENCH LEVEL

WITH DOUBLE PLUMB.

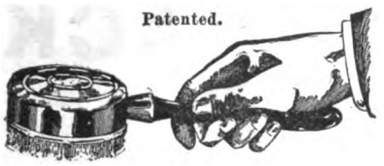
No. 5. 6 in.



MANUFACTURED BY
C. F. RICHARDSON & SON.
25 MAIN STREET, ATHOL, MASS.
Manufacturers of Iron Levels and Carpenters' and Architect's Transits.

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THE BERRY CLOTHES SPRINKLER



Fills automatically and will enable you to iron your clothes immediately after sprinkling, if you so desire.
For starched clothes it is unsurpassed.
It is an excellent sprinkler for house plants.
It is capital for laying the dust while you are sweeping.
Long used carpets can be made much brighter by putting a few drops of ammonia in water and sprinkling before sweeping. Retails for 25 cents.
Libe al discount to the trade. Send for price.

THE BERRY SPRINKLER CO.,
146 Franklin St., Boston, Mass.

Seed's New Water Filter.

I am now making four sizes and prices of Faucet Filters instead of three that retail at : · :

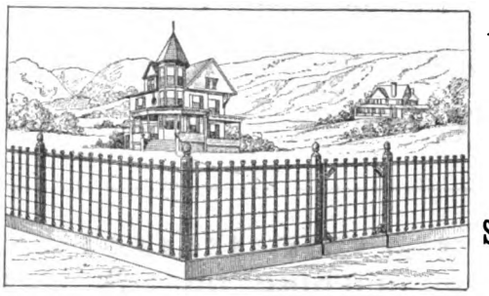
75c. 50c. 25c. and 20c.

each. Send for Trade and Export List. : : : : :

J. H. SEED, Manufacturer,
21 & 23 Centre Street, New York.

KILMER MFG. CO., Newburgh, N. Y.

Bale Ties, Wire Rods, Barb Wire, Adj. Lawn Fence, Improved Picket Fence, Kilmer's Field Fence, &c.



THIS cut represents our Adj. Lawn Fences which is the handsomest, strongest and cheapest Lawn Fencing on the market. ∴ ∴ ∴

Send for Illustrated Circular and price list.



Woodman's Patent Ticket Punches & Speed Indicators,

—Manufactured by the—

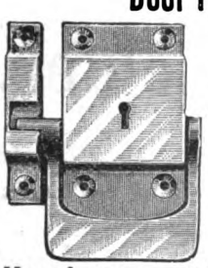
R. WOODMAN MFG. & SUPPLY CO.,
63 Oliver St., Boston, Mass.

—Send for description, price lists, etc.—





The Conroy patented New Automatic Refrigerator Door Fastener, with lock and key.



THIS FASTENER is the most complete one ever invented The door will push to more easily with this Fastener than any in the market. The Fastener will tighten the door by the door closing. It is the most substantial; nothing about it to get out of order By lifting the handle quarter circle the door will open, and if it sticks it will release it It has a new and improved lock, absolutely secure Made for flush or raised doors, composed of brass or bronze metal in any finish desired, plain or ornamental.

MANUFACTURED BY
P. J. CONROY,
PHILADELPHIA PA.

Manufacturer of **Refrigerator and Ice House Fasteners Hinges and Faucets.**

WE ARE AGENTS FOR

WM. JESSOP & SONS' Cast Steel.
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ERICSSON Hot Air Pumping Engines.
Chicago Emery Wheels.
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WRITE US FOR PRICES.

THE W. BINGHAM CO.,
146, 148 & 150 Water St., 97 & 99 Superior St., Cleveland, Ohio.

WITH THIS NEW

Garden Cultivator



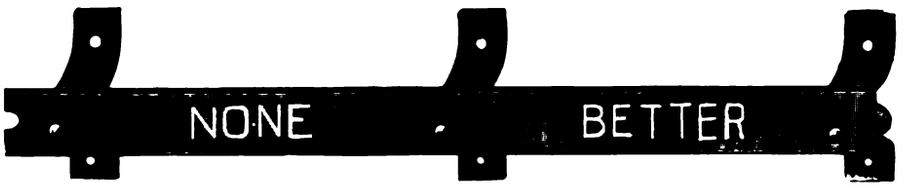
A Boy twelve years old will do more work than three men with common hoes.

15,000 SOLD LAST YEAR.

ULRICH MFG, CO., ROCK FALLS, ILL.

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STEEL BARN DOOR TRACK.



Our Track can be used in connection with any Standard Hanger.

McKINNEY MFG. CO., - ALLEGHENY, PA.

ATLAS TACK CORPORATION,

508 SEARS BUILDING, BOSTON, MASS., U.S.A.

BRANCHES: DUNBAR, HOBART & CO., WHITMAN, MASS. ESTABLISHED IN 1810.
A. FIELD & SONS, TAUNTON, MASS. ESTABLISHED IN 1827.
AMERICAN TACK CO., FAIRHAVEN, MASS. ESTABLISHED IN 1867.
CONSOLIDATED 1891.
LORING & PARKS, PLYMOUTH, MASS. ESTABLISHED IN 1342.
TAUNTON TACK CO., TAUNTON, MASS. ESTABLISHED IN 1854.
OLD COLONY RIVET CO., PLYMOUTH, MASS. ESTABLISHED IN 1866.

MANUFACTURERS OF

Tacks, Brads, Small Nails, Shoe Nails, Lining and Saddle Nails, Tufting Nails and Buttons, Wire Nails, Wire Tacks, Escutcheon Pins, Eyelets, Glaziers' Points, Rivets, Burrs, Furniture Springs, "Pilgrim" Spring Bed, and other articles.

We have the largest and only complete and fully assorted stock in the world. Our manufacturing facilities are unequaled. The foregoing well-known brands we continue to use, and either will be furnished upon request. We have long distance telephone connection with our New York store and our factories.

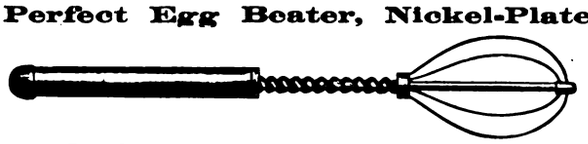
MAIN OFFICE, 508 SEARS BUILDING, 199 WASHINGTON ST., BOSTON, MASS
BRANCH OFFICE & WAREHOUSE, 31 WARREN STREET, NEW YORK.
BRANCH OFFICE & WAREHOUSE, 193 LAKE STREET, CHICAGO, ILL.
BRANCH OFFICE & WAREHOUSE, 408 MARKET STREET, SAN FRANCISCO, CAL.
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Stoneware and Fire Clay Novelties of the Highest Grade and of Every Description for Use in the Household.

The Perfect Egg Beater, Nickel-Plated.

Ask for a Catalogue.



Patent Allowed. The Best Beater ever offered to the Public at the right price.

Manufactured by **F. H. WEEKS, Akron, O.**



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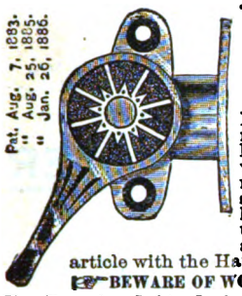
No. 1 Broadway, New York.

Manufacturers of the following brands of Solder:

N. L. Co.'s Warranted 1-2 & 1-2,
N. L. Co.'s Standard 1-2 & 1-2,
N. L. Co.'s Commercial 1-2 & 1-2,
N. L. Co.'s Refined Metal,
N. L. Co.'s Wiping Solder.

The quality is reliable and uniform and the prices right. Address correspondence to above or to the branches of the Company at Boston, Buffalo, Baltimore, Cincinnati, Louisville, Cleveland, St. Louis Chicago, Philadelphia and Pittsburg.

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THE CHAMPION SIDE SASH LOCK

Has by its unequaled merits gained the public favor. It is a safe ventilator and prevents rattling. Is neat, cheap, simple and durable. It has been in extensive use for over eight years, and has become a staple article with the Hardware trade.

☞BEWARE OF WORTHLESS IMITATIONS.

The Champion Safety Lock Co., Cleveland, O.

"VASSAR" CYLINDER LOCKS.

Are specified by Architects on first-class work everywhere.
They are Safest and Best.

WAREHOUSES:

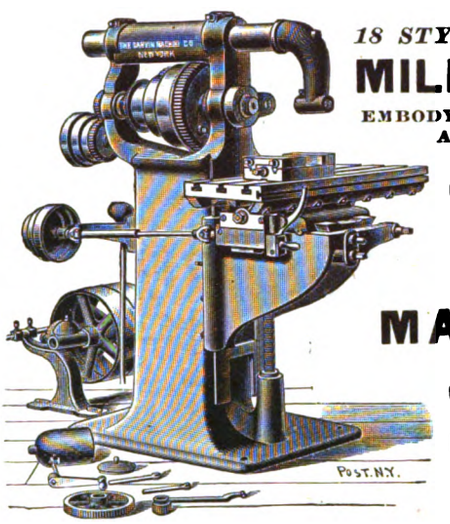
New York, 96 & 98 Reade St. | Philadelphia, 514 Commerce St. | Chicago, 73 Wabash Ave.

Factories, READING, PA.

Reading Hardware Company.







NEW No. 15 MILLING MACHINE.

WE BUILD

18 STYLES, OF *27 SIZES*

MILLING MACHINES,

EMBODYING THE MOST ADVANCED IDEAS AND ADAPTED TO EVERY VARIETY OF MODERN

TOOL & MACHINE WORK.

IMMEDIATE DELIVERY

Can usually be made of any style or size.

MACHINE TOOLS

OF ALL KINDS IN STOCK.

☞Write for Our 1894 Illustrated and Descriptive Catalogue.

The Garvin Machine Co.,

Laight & Canal Sts., New York.

Also 51 North 7th St., Philadelphia, Pa





"Excellent Cream!"

Cold Facts.....

The Improved

WHITE MOUNTAIN FREEZER

Makes

"Excellent Cream" in 4 minutes.

POSITIVELY THE ONLY FREEZER having the DUPLEX DASHER with DOUBLE SELF-ADJUSTING WOOD SCRAPING BAR, by means of which the finest quality of cream can be produced in ONLY 4 MINUTES, or less than one-half the time required with any other freezer made. Repeated trials have proven this.

Sold by Leading Jobbers everywhere.

THE WHITE MOUNTAIN FREEZER CO., Nashua, N.H.

The BEST FREEZERS Made

HAVE
Electric-Welded Wire Hoop Pails,
MADE OF
Best Virginia White Cedar,
AND
Drawn Steel Bottom Cans.

SOLD BY
LEADING
JOBBERS.







HAVE YOU SEEN THE DRAWN-STEEL BOTTOM CAN ?

STRONGER. LAST LONGER. HANDSOMER.
EQUALLED BY NONE
IN PERFECTION OF DESIGN AND CONSTRUCTION AND PRACTICAL RESULTS IN USE.

Manufactured Exclusively by

North Bros. Mfg. Co., Philadelphia, Pa.

SAVE YOUR CHAIN. USE EAST INDIA STICK GRAPHOLINE.

The genuine bears our trade mark. Beware of imitation.

Nothing is too good for your chain.

East India GRAPHOLINE costs a little more but it is High Grade, put up in a handsome metal box with adjustable bottom. Can be used without soiling the hands. Carried in any tool bag. Sold by all large bicycle dealers in both America and Europe.

PRINCE WELLS,
Sole Imptr. 632 Fourth Ave.,
LOUISVILLE, KY.

Sample stick by mail, 25 cents.



Electrotype furnished for Catalogue.

Add to your line of Farm Implements our celebrated Brooders which make poultry profitable.



Retail price $14.00.
SEND FOR DESCRIPTIVE CATALOGUE.
The Columbian Mfg. Co., Greenfield, O.

OHIO ICE CREAM



A high-grade Freezer.
Mechanically Correct.
Fittings Accurate.
Easily Cleaned.

"THE RESULT OF 25 YEARS' EXPERIENCE."

Thoroughly mixes the Cream from bottom to top. Neither Salt nor Oil can reach the Cream. It has all the good points of other makes, and many more of its own.

THE
Saml. C. Tatum Co.
Sole Mfrs.,
254 Water Street,
Cincinnati, O.

FREEZER

"HARDWARE" has a field of its own.

That's Why

Advertisers get results.

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Quotations are of PRICES THAT MAY BE OBTAINED TO-DAY; not those at which goods have been purchased.

They may not always agree with manufacturers' rates, and manufacturers are not responsible for them.

ADDITIONS or CORRECTIONS will be gladly received.

Changes are made up to the day of publication.

Adzes—
Sargent's.....45%
Ajax.....40%
Cooper's.....20%

Ammunition—
CAPS, PERCUSSION—₩ 1000—
U. M. C. Co. and Hicks, trimmed edge.....33 @ 35c
U. M. C. Co. and Hicks ground edge.....45 @ 47c
Musket.....50 @ 53c
G. D.....27 @ 30c
CARTRIDGES—
Rim Fire Cartridges.....50&5&2%
Rim Fire Military.....15&2%
Cent. Fire, Pistol and Rifle.25&5&2%
Cent. Fire, Military and Sporting.....15&5&2%
Blank Cartridges, except 22 and 32 cal., additional 10% on above discounts.
Blank Cartridges, 22 cal.....$1.75 2%
Blank Cartridges, 32 cal.....$3.50 2%
Primed Shells and Bul'ts...15&5&2%
B. B. Caps, Round Ball...$1.15@1.20
B.B. Caps, Con. Ball, Swgd $1.35@1.90
PRIMERS—
Berdan Primers, $1.00.....2%
B. L. Caps (for Sturtevant Shells) $ 1.00.....2%
All other Primers.....$1.10
SHELLS—
First quality, 4, 8, 10 and 12 gauge 25&10&2%
First quality, 14, 16 and 20 gauge $7.50.....20&10&2%
Black Club, Nitro Club, Rival and Climax brands, 10 and 12 gauge, 33⅓&10&2%
Brass Shot Shells, 1st quality..60&2%
Brass Shot Shells, Club, Rival and Climax.....65&2%
SHELLS LOADED—
Standard List July 19, 1890 40&10&10%
GUN WADS—₩ 1000—
B.E., 11 up.60c..B.E., 9&10...70c } 25%
B.E., 8.....80c..B.E., 7.....80c.. } 25%
P.E., 11 up.1.00..P.E., 9&10..$1.25 } 20&5%
P.E., 8....1.50..P.E., 7.....1.50 } 20&5%
SHOT—
Drop Shot, sizes smaller than B, 25-₤ bags ₩ bag.....$1.10
Drop Shot, sizes smaller than B, 5-₤ bags, ₩ bag.....$ .30
Drop Shot, B and larger sizes, 25-₤ bags, ₩ bag.....$1.35
Drop Shot, B and larger sizes, 5-₤ bags, ₩ bag.....$ .35
Buck and Chilled Shot, 25-₤ bags, ₩ bag.....$1 35
Buck and Chilled Shot, 5 ₤ bags, ₩ bag.....$ .35
Dust Shot, 25-₤ bags, ₩ bag....$1.75
Dust Shot, 5-₤ bags, ₩ bag ....$ .40
POWDER—
Laflin & Rand:
Rifle extra, kegs.....25 ₤ $3.25
12½ ₤ 1.90
6¼ ₤ 1.10
Rifle special, kegs.....25 ₤ 4.25
12½ ₤ 2.40
6¼ ₤ 1.35
Creedmoor, kegs.....6¼ ₤ 1.10
Ducking, kegs.....6¼ ₤ 3.00
[For 1 kg ₤ lots 10% discount.]
Blasting and Mining, A..25 ₤ 2.00
Blasting and Mining, B.. 1.50
CANISTER POWDER—
E. I. Du Pont De Nemours & Co.:
In cases of 25 each.
Crystal Grain, Nos. 1, 2, 3 and 4, in canisters of 1 ₤ each...$ .75
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of 1 ₤ each.....45
Eagle Duck Shooting, Nos. 1, 2 and 3, in canisters of ½ ₤ each.....30
Eagle Rifle and Superfine Sporting, in canisters of 1 ₤ each.....45
Du Pont Rifle, Fg, FFg and FFFg, in canisters of 1 ₤ each.....25
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ½ ₤ each.....15
Du Pont Rifle, Fg, FFg and FFFg, in canisters of ¼ ₤ each.....12
KEG POWDER—
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Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 12½ ₤..... 4.25
Eagle Duck Shooting, Nos. 1, 2 and 3, in Kegs, 6¼ ₤..... 2.25
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Du Pont Rifle, FFFg, FFg and "Sea Shooting" Fg, in Kegs, 12½ ₤..... 1.90
Du Pont Rifle, FFFg, FFg, and "Sea Shooting" Fg, in Kegs, 6¼ ₤..... 1.10
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"V. G. P." for Trap Shooting, in Kegs, 12½ ₤..... 1.90
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Choke Bore, Nos. 5 and 7, in Kegs, 25 ₤..... 4.25
Choke Bore, Nos. 5 and 7, in Kegs, 12½ ₤..... 2.40
Choke Bore, Nos. 5 and 7, in Kegs, 6¼ ₤..... 1.35
Mealed Powder, in Kegs, 25 ₤. 4.00
Shipping Powder, F, FF, FFF, FFFF and FFFFF, in Kegs, 25 ₤..... 2.00
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Mining and Blasting Powder, (B), C, F, FF, FFF, FFFF, in Kegs, 25 ₤..... 1.50
HARD GRAIN SMOKELESS—
Schultze:
Canister, equal in bulk to 1 ₤ best black.....$ .85
Canister, equal in bulk to 2 ₤, best black..... 1.70
Drum, equal in bulk to 10 ₤, best black..... 8.25
Drum, equal in bulk to 50 ₤, best black..... 41.00
Drum, equal in bulk to 100 ₤, best black..... 82.00
Discounts on application.

Anvils—
Eagle Anvils, ₩ ₤ 9c.....15@15&5%
Peter Wright's.....9¾@10¼c
Armitage's Mouse Hole.....8¾@9¼c
Trenton.....9@9½c
American "Horse-Shoe"..9¾@10¼c
ANVIL AND VISE COMBINED—
Millers Falls (with drill) $18.00..20%
Cheney Anvil and Vise.....25%
Others.....40@40&10%

Augers and Bits—
Auger Bit Association.70&10@75&5%
Second Quality Goods.....30&10%
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Cook's N. H. Copper Co.....60%
Ives' Circular Lip.....65%
C. E. Jennings & Co.:
No. 10, extension lip.....40%
No. 10, extension lip pattern car bit.....40%
Double Spur pattern car, No. 30.60%
Lewis' Patent Single Twist.....50%
Russell Jennings' Augers and Bits25%
Jennings' Dowel Bits.....40%
Pugh's Black.....25%
Snell's Car Bits.....50%
Forstner Pat. Auger Bits.....20%
Irwin Pat. Auger Bits.....33%
Cincinnati Tool Co.:
Bell hangers' bit.....40&10%
Brace twist drills for metals. 45&10&10%
Brace twist drills for wood. 30&10&10%
Screw and plug.....35&10&10%
HOLLOW AUGERS—
Ives.....31½@33⅓&10%
French, Swift & Co...33⅓@33⅓&10%
Douglass'.....33⅓@33⅓&10%
Bonney's Expansive.....doz. $21.00
Millers Falls, Goodell.....25&5%
EXPANSIVE BITS—
C. E. Jennings & Co.....33⅓%
Clark's small, $18.00.....40@40&5%
Ives' No. 4, ₩ doz. $60.....40@40&10%
Swan's.....40@40&10%
Steer's No. 1, $26; 2, $18....40@40&5%
Stearns' Expansive, No. 2, $48.....20%
Ives' Expansive, each $4.50.....50%
Universal Expansive, each $4.50..20%
Cincinnati Expansive.....25&10&10%
Sargent's Expansive..... 20&10&10%
GIMLET BITS—
Diamond ₩ doz. $1.25.....40&10%
Double Cut, Shepardson's.45&10&10%
45&10&5%
Double Cut, Hartwell's, ₩ gro. $10. 40&10%
Double Cut, Douglass'.....40&10%
Double Cut, Ives'...60&10@60&10&5%
BIT STOCK DRILLS—
Morse Twist Drills.50&10&5@60&10%
Standard.....60&10&5@60&10%
Cleveland.....50&10&5@60&10%
Cincinnati Tool Co.....40@40&10%
Syracuse, for metal.....50&10%
" for wood (wood list) 30&10@40%
SHIP AUGERS AND BITS—
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Watrous'.....25@25&10%
Snell's.....25&25&10%

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Sewing, Common.....60%
Should. Peg ₩ gr. $3.75.....60&10%
Pat. Peg.....60%
Dunlap's Brad.....25%
Dunlap's Handled.....25%
Shoudered Brad. ₩ gr. $4.00..60&10%
Handled Brad.....55%
H'ld Scratch.....60%
Socket Scratch ₩ doz., $1.50..25&30%

Awl and Tool Sets—
Ice Awls.....55%
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Fray's Adj. Tool Hdls., Nos. 1, $12; 2, $18; 3, $12; 4, $9.....25@25&10%
Millers Falls Adj. Tool Holders. Nos. 1, $12; 2, $12; 4, $12; 5, $18..25%
Brad Sets:
No. 42, $10.50; 43, $12.50...70&10&5%
Stanley Rule & Level:
Patent Pegging.....50&10%
Handled Brad.....30%

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G. W. Bradley's:
Long Island.....₩ doz. 9.00
Yankee.....₩ doz. 10.00
Wide Bit.....₩ doz. 10.00
Rockaway.....₩ doz. 10 00
Dock.....₩ doz. 15.00
Firemen's.....₩ doz. 18.00
Hunt's Broad Axes and Adzes...50%
American Axe & Tool Co:
Standard Brands.....₩ doz. 6.00
Standard Axe & Tool Co.:
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High Grades, Double Bit, Black Eagle, ₩ doz.....$13.00
Fayette R. Plumb:
Broad.....40&7½%
Butchers German Pattern.....40%
Boys.....40&7½%
HATCHETS—
American Axe & Tool Co.....50%
Hunt's, Underhill's or Blood's...50%
Fayette R. Plumb:
Broad.....40%
Shingling.....40&5%
Lathing.....40&5%
Warehouse.....40&5%
Vulcan Tool Co.....50&5%
Nickel-plated or Silver Bronzed 40&7½%
Collins.....10%

Balances—
Straight Spring balances.....40%
Common 24 ₤.....₩ doz. 30c net.
Circular Spring Balances.....50&10%
No. 2000 20 30
Chatillon's ₩ doz. 80c 95c $1.75 net
Chatillon's Spring Balances.....40%
Chatillon's Cir. Sp'g Bal.....50&10%
Ice.....50&10%

Beef Shavers—
Enterprise.....30%

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HAND—
Light Brass.....60&5%
Heavy Brass.....60&10%
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Globe (Cone's Patent).....35%
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DOOR—
Multi-Stroke.....50%
Gong, Abbe's.....4.5%
Gong, Yankee.....55%
Gong, Barton's.....40&10@50&10%
Crank, Taylor's.....35&10%
Crank, Brooks'.....50&10&5%
Crank, Cone's.....10%
Crank, Connell's.....30&10%
Lever, R. & E. M. Co.'s....50&10&2%
Pull, Brooks'.....50&10&2%
Duplex, Sanderson's.....Net
Eastlake Hand.....65%
New Departure.....45@50%
Acme Push, Pull and Turn Bell Complete, per doz. $36.00, Discount.....33⅓%
COW—
Common Wrought.....60&10&10%
Western.....20&10%
Western, Sargent's list....70@70&5%
Kentucky, "Star".....20&10%
Sargent's:
Sheep and Cow Bells.....60&10%
Kentucky.....70&10%
Dodge, Genuine Kentucky 70@70&10%
Texas Star.....55%

Belting, Rubber—
Boston Belting Co.:
"Imperial," seamless, stitched 40&10%
"Boston".....50&10&5%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%
Cleveland Rubber Co.:
War. 2 XL.....40%
Shield High Grade.....50&10%
Buckeye.....60&10%
Common Standard.....70&10%
Standard.....70@70&5%
Extra.....60&5@60&10%

Bench Stops—
Morrill's No. 1, $10.00 per doz.; No. 2, $11.00.....40&20%
Seymour Smith & Sons..₩ doz. $5. 10@10&10%
Weston's, No. 1, $10; No. 2, $9..40&10%
McGill's.....₩ doz. $3....10%
Terrell & Vroom, No. 1 and 2, $3; No. 3, $3.00 ₩ doz.....25%
Millers Falls ₩ doz. $4.50.....25%
Wm. Johnson's:
7½x7½xl, ₩ doz. $11.00.....50
9x9½xl, ₩ doz. $12.00.....50%

Bit Holders—
Extension:
Millers Falls Barber's, ₩ doz.$15 50%
Ives' ₩ doz. $30.00....60&5@60&10%

Blind Adjusters—
Domestic.....₩ doz. $3....33⅓%
Excelsior..₩ doz. $10.00...50&10&5%
Zimmerman's.....50%

Blind Fastenings and Tenons—
Millers Falls ₩ set $1.00.....20%
Austin & Eddy ₩ gro.....$9.00
Forhans Improved Star Tenon ₩ gro. $1.00.....25%
Mackerell's, ₩ doz. $3.00.....60%
Merriman's Brass Lever ₩ gr. $15.00
Merriman's Iron Lever ₩ gr...$9.00
Security Gravity ₩ gr.....$9.00
Van Sand's.....55@60%
Washburn's Plate ₩ gr.....$9 00
Zimmerman's.....50%

Blocks—
Cleveland Block Co.....50@50&10%
Moores Novelty.....50%
Moore's Chain Differential Pulley20%
Moore's Rope Differential Pulley.60%
Regular Iron Strapped Blocks 70&10%

Bolts—
DOOR AND SHUTTER—
Cast Iron Barrel, Square, &c.75&10%
Cast Iron Shutter Bolts...70@70&10%
Cast Iron Chain (Sargent's list). 60%
Ives' Patent Door Bolts....60@60&5%
Wrought Barrel.....70%
Wrought Square.....60%
Norwich Lock Mfg. Co. list.....60%
Wr't Shutter, all Iron, Stanley's.60%
Wr't Shutter, Brass Knob, " 40&10%
Wr't Shutter, Sargent's list.. 66⅔%
Wr't Sunk Flush, Sargent's list. 60%
Wr't Sunk Flush, Stanley's list. 30&10%
Wr't B. K. Flush, Com'n, Stanley's list.....55&10%
Window Spring.....75%
Window Spring Bolt Socket.....70%
See Catches and Turns.
CARRIAGE, MACHINE, &C.—
Common.....30&10%
Genuine Eagle, list Oct. '84...75&10%
Phila. pattern, list Oct. 7, '84..75&10%
R. B. & W., old list.....70&5%
Machine list Jan. 1, 1890.....75&10%
Bolt Ends, list Jan. 1, 1890....75&10%
TIRE—
Common, list Feb. 28, '83.....65&10%
Port Chester Bolt and Nut Co:
Empire, list Feb. 28, '85.....65%
Keystone, Phila., list Oct. '84...80%
Norway, Phila., list Oct. '84....75%
American Screw Co.:
Norway, Pa., list Oct. 16, '84....80%
Eagle Phila., list Oct. 16, '84....80%
Bay State, list Feb. 28, '83.....75%
B. R. & W., list Oct. 16, '84.....80%
STOVE AND PLOW—
Stove.....65%
Plow.....55%
R. B. & W., Plow.....60%
MISCELLANEOUS—
Sleigh Shoe.....75%
Sink.....60%

Bolt Clippers—
"Easy" Bolt Clipper, No. 1, $5.00; No. 2, $7 00.....33⅓%
"New Easy" Bolt Clipper, $9.00.33⅓%

Bone Mills—
Enterprise.....30%

Boring Machines—
Without Augers.

	Upright.	Angular.	
Douglass'.....	$5.50	$6.75.....	50%
Snell's. Rice's Pat.	5.50	6.75..40&	10&10%
Jennings'.....	5.50	6.75, 45@	45&10%
Other Machines....	3.25	2.50.....	net
Phillips' Patent with Augers.....	7.00	7.50	
Millers Falls.....		7.50	35%

Bow Pins—
Humason & Beckley.....60&10%
Sargent & Co.'s $17 and $18.60..10&10%
Peck, Stow & W. Co.....33⅓&10%

Braces—
Barber's:
Nos. 10 to 16.....50@50&5%
Nos. 20 to 28.....50@50&5%
Nos. 40 to 62.....50&10%
Barker's.....75&10@80%
Barker's plated.....70&10%
Spofford's.....50&10%
Ives' New Haven Novelty.....70%
New Haven Ratchet.60&5@60&10%
Barber Ratchet.....60&5@60&10%
Barber.....60&5%
Spofford.....55@60%
Common Ball American.....$1.25
Bartholomew's:
Nos. 25, 27 and 30.....60%
Nos. 117, 118, 119.....60@70&75%
Amidon's:
Barker's Imp'd Plain...75&10@80%
Barker's Imp. Nickeled.65&10@77%
Ratchet.....75&10@80%
Eclipse Ratchet.....60%
Globe Jawed.....40@40&10%
Corner Brace.....40@40&10%
Universal, 8 in., $2.10; 10 in. $2.25
Buffalo Ball.....$1.10@$1.15
Peck's (P. S. & W. Co.)....50@5&10%
American Bit Brace Co.'s:
Nos. 10, 12, 20.....60&10%
Nos. 22, 23, 25.....60&10&5%
Nos. 11, 21, 24, 27.....70&10%
Nos. 13, 26, 36, 37.....70&10&5%
Ball Braces, net, ₩ doz. $1.12@$1.25
Millers Falls.....35%

Brackets—
Shelf, Bradley's Patent.....70&10%
Shelf, Plain, Sargent's list.....60%
Shelf, Francis Keil & Son.....40%
Moore's.....70%
Shelf, fancy, Sargent's list.....70%
Window Screen Corner.....70&10%

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Door Screen....70&10%
Reading, plain....60&10%
Reading, Rosette....70&5%
Hand Rail....60&10%

Bright Wire Goods—
Standard list....85&10%

Butt Hinges—
Union Nut Co....55%
Sargent's....75&10%
Seymour Smith & Sons, low list...30%
Humason, Beckley & Co.'s....70&10%
Peck, Stow & Wilcox Co.'s....50%

Butcher's Cleavers—
Bradley's....35@30%
L. & I. J. White....30&5%
Beatty's....40@40&5%
New Haven Edge Tool Co.'s....40%
P. S. & W....33⅓&5@33⅓&10%
Dunlap's Family....25%
Foster Bros....30%

Butcher's Knives—
See Knives.

Butter and Cheese Tryers—
Ordinary....35&10%

Butt Gauges—
Stanley's....20&10&10%

Butts—
BRASS—
Wrought Brass....80&30&10%
Cast Brass, Tiebout's Fast Joint..50%
Cast Brass, Tiebout Ice House...40%
Cast Brass, Corbin's Fast...33⅓&10%
Cast Brass, Loose Joint....33⅓&10%
Cast Brass, Francis Keil & Son 40%
Norwich Lock Mfg. Co. Bronze..30%
CAST IRON—
Fast Joint, Narrow....50&10&5%
Fast Joint, Broad....50&10&10%
Loose Joint....75&10%
Loose Joint, Japanned....75%
Loose Joint, Jap. with Acorns....75%
Parliament Butts....65%
Mayer's Hinges....75%
Loose Pin, Acorns....75%
Loose Pin, Acorns, Japanned....70%
Loose Pin, Acorns, Japanned, Plated Tips....70%
WROUGHT—
List, January 2, 1893.
Fast Joint, Narrow....
Fast Joint, Lt. Narrow....
Fast Joint, Broad....
Loose Joint, Broad....
Table Butts, Back Flaps &c....
Inside Blind, Regular....
Inside Blind, Light....
Loose Pin....
} 40%
Bronzed Wrought Butts....60%

Calf Weaners—
Hill's No. 1, $2.00; No. 2, $2.50

Calipers—
See Compasses.

Can Openers—
Messenger's Comet..₩ doz $3.00, 25%
American....₩ gross $3.88, 50&10%
Dunlap's Iron Handle, No. 3 ₩ gr. $12.00....25%
A. S. Henn....50&10%
Dunlap's Wood Handle No.2 $1.75.25%
No. 5, Iron Handle.₩ gr. $6....45@50%
Eureka....₩ doz. $2.50....10%
Sardine Scissors...₩ doz. $2.75@3.00
Dunlap's Sardine Scissors, ₩ doz. $5.00....25%
Star....₩ doz. $2.20
Sprague, No. 1, $3.00; 2, $2.25; 3, $2.50, 70%
World's Best, ₩ gr., No. 1, $12.00; No. 2, $24.00; No. 3, $36.00...50& 10%
Electric Rotary Expansive, ₩ gr $9.00
Goodell's Acme, ₩ gr. $8.00; ₩ doz.75c
Universal, ₩ doz. $3.00....40%
Domestic, ₩ doz. $2.50....50%
Champion, ₩ doz. $2.00....6%
New Scott Mfg. Co.'s list....20&10%
Leavitt's Common Sense ₩ gro $7.00....50%
Kohler's Cyclone....₩ doz. 75c
Kohler's Lightning....₩ doz. 90c
Moore's....70%

Caps—
See Ammunition.

Cards—
Horse and Curry....25%
Cotton....25%
Wool....25%

Carpet Stretchers—
Cast Steel, Polished....₩ doz. $2.25
Cast Iron, Steel Points.₩ doz. 85c 20%
Bullard's....20%
Dunlap's....25%
Wm. Johnson's Socket....30%

Carpet Sweepers—
Bissell's:
Grand....₩ doz. $36.00
Gold Medal....₩ doz. $27.00
Prize....₩ doz. $27.00
Premier....₩ doz. $27.00
Superior....₩ doz. $27.00
Cosmopolitan....₩ doz. $27.00
Furniture Protector, Japanned....₩ doz. $24.00
Furniture Protector, Nickel....₩ doz. $27.00
Inter Ocean....₩ doz $27.00
Hall....₩ doz. $48 00
Crown Jewel No. 1, $18.00; No. 2, $19.00; No. 3, $20.00
Domestic, No. 1....₩ doz. $21.00
Domestic, No. 2....₩ doz. $22.00
Excelsior....₩ doz. $22.00
Garland....₩ doz. $18.00
Grand Rapids, Jap..₩ doz. $24.00
Grand Rapids, Nick..₩ doz. $27.00
Housewife's Delight..₩ doz. $15.00
Improved Parlor Queen Japanned....₩ doz. $24.00
Improved Parlor Queen Nickeled....₩ doz. $27.00
Parlor Queen....₩ doz. $24 00
Standard....₩ doz. $36.00
Make the following rebates: $1.00 ₩ doz. in 5 doz. lots, $2.00 ₩ doz. in 10 doz. lots.

Cartridges—
See Ammunition.

Casters -
Bed....
Plate....
Shallow Socket....
} Brass...60%
} Others..60%
Deep Socket....60%
Martin's Patent (Phoenix)..45&10@50%
Tucker's Patent, low list....50%
Payson's Anti-friction 70@70&10&10%
Yale Casters, list May, '84....50%
Yale Gem....70%
Giant Truck Casters....45&10%
Stationary Truck Casters....30%
Socket Truck Casters....60%
Swivel Truck....60&10&10%
Store....55%
Gwinner's Common Sense....40%
Gwinner's Hercules....45%

Catches and Turns—
Cupboard Catches....70&10&10%
Transom Catches....60%
Cupboard Turns....60%
Close Catches....70&10%
Screen Door Latches....70%
Screen Door Catches....50&10%
Screen Door Catches, Bronzed 70&10@75%
Diamond Bolt Screen Door Catches....50%

Cattle Leaders—
Coverts Saddlery Works....33⅓&5
Humason, Beckley & Co.'s....70%
Sargent's....70&10%
Seymour Smith & Sons....30%
Peck, Stow & W. Co....40%

COW TIES -
American....60&10%
Triumph....33⅓&5
Covert's Horse and Cattle:
Jute....33⅓&5
Manilla....33⅓&5
Sisal....33⅓&5

Chain -
Trace, 6½-10-3, ₩ pair, $1.08....60&10%
Trace, 6½-10-3, ₩ pair 92c....60%
Trace, 7-10-3, ₩ pair $1.11....60%
Log, Fifth Stretcher, and other fancy Chains....55@60%
German Coil....60%
German Halter Chain....30%
Oneida Halter Chain....60@60&5%
Covert's Rein Chains....33⅓&5
Covert's Breast Chains....33⅓&5
Covert's Hitching Chains....33⅓&5
Galvanized Pump Chain....₩ ft 6c
Jack Chain, Iron....75@75&5%
Jack Chain, Brass....60%
Plumbers....60%

Chalk Lines—
See Lines.

Chisels—
SOCKET FRAMING AND FIRMER—
P. S. & W....
New Haven....
Witherby....
Mix....
} 75@75&10%
C. E. Jennings & Co....25%
Douglass....75@75&10%
Buck Bros....30%
Merrill & Wilder....50&10@60%
Jennings & Griffin Mfg. Co....60%
Hinsdale....75&5%
L. & I. J. White....30@30&5%
TANGED AND MISCELLANEOUS—
Tanged Firmers'....40&10%
Butchers'....50%
Spear & Jackson's....$5 to £
Buck Bros....30%
C. E. Jennings & Co....20%
Jennings & Griffin Mfg. Co. Drawing Knives....70&75%
Jennings & Griffin Mfg. Co. Tanged Chisel and Gouge....40%
Cold....60%
Box....60&10%

Chucks—
Beach Pat....each $8.00....30%
Morse's Adjustable, each $7.00 20@30&5%
Danbury....each $6.00..30@30&5%
Syracuse, Bals Pat....25%
Skinner's Pat. Drill Chucks....35%
Skinner's Ind't Lathe Chucks....45%
Skinner's Pat. Comb. Chuck....45%
Drill....30&10%
Star....25%
Barber....25%
Union Mfg. Co.:
Victor....$8.50, 25%
Combination....40%
Universal....40%
Independent....40%
Whiton's
Combination....40%
Independent....50%
Cushman's:
Combination....40%
Independent....50%

Clamps—
R. I. Tool Co.'s Wrought Iron....25%
Adjustable, Cincinnati....15&10%
Adjustable, Hammers....15@15&5%
Adjustable, Stearn's....30%
Stearn's Adjustable Cabinet and Corner....30@30&10%
Cabinet Makers, Sargent's....70&10%
Carriage Makers', Sargent's....75%
Carriage Makers', P. S. & W. Co..40%
Eberhard Mfg. Co....40&5@40&10%
Warner's....40&10@40&10&5%
Carpenters', Cincinnati....15%

Cleavers—
Foster's....30%
Jennings & Griffin....40%

Clippers, Horse—
Brown & Sharpe's Champion
American Clipper)....$3.50
Clarke's (Imported)....3.50
Albion L (for left hand)....3.50
Foxhall....3.50
Autocrat (centre fly nut)....3.50
Peerless (horse toilet)....4.00
Newmarket....3.50
Triumph (Ball bearing), horse toilet....4.00
Keystone (Ball bearing), centre fly nut....5.00
American (double cutting plate)....5.00
Lexington....3.50
Advance....3.50
Globe Reversible (Ball bearing)....6.00
Republic....3.75
Double Diamond (reversible plate)....5.00
Dictator....3.50
Empire....3.75
Regent Toilet (for horse)....3.00
La Belle Toilet (for horse)....3.00
} 25%

Clips—
Norway Axle, ¼ and 5-16....55&5&5%
3d grade Norway Axle, ¼&5-16..65&5
Superior Axle Clips....65%&5@70%

Cockeyes—
List....50%

Coffee Mills—
Box and Side....55%
Am. Enterprise Mfg. Co....30%
The Swift, Lane Bros....30%
Waddell's Improved....40%
Logan & Strobridge Iron Co....60%

Compasses, Dividers, &c.—
Compasses, Calipers, Dividers....65%
Bemis & Call Co.'s:
Dividers....65%
Brown & Sharpe Micrometer..25&10%
Calipers, Wing....50&5%
Inside or Outside....65%
Double....65%
Call's Pat. Inside....55%
Stevens's "Ideal"....25%
Stevens's "Leader"....55%
Starrett's Fay's Patent Spring Calipers and Dividers..25%
Wright's Graduating....15%
Brown & Sharpe....30%
Wm. Johnson's:
Wing Dividers....75%
Extension Dividers....40%
Wing Calipers....70%
Inside, Outside and Double....75%
Registering....50%

Coopers' Tools—
Bradley's....30%
Barton's....30&10%
L. & I. J. White....30&5%
Albertson Mfg. Co....25%
Beatty's....30%
Sandusky Tool Co....30@30&5%
Shaves, Cincinnati Tool Co....30%

Corkscrews—
Humason & Beckley Mfg Co. 40@40&10%
C. T. Williamson & Co. 33⅓@33⅓&5%
Detroit Cork-Screw Co....33⅓&5
Howe Bros. & Hulbert....25%
Samson....₩ doz $10.00

Corn Huskers—
Blair's Adjustable....₩ gr $8.00
Blair's Adjustable Clipper ₩ gr 7.00
Hubbard's Solid Steel....₩ gr 4.50
Perkins Bros:
Styles A and B, ₩ doz. $2.40; E, $2.10; O, $3.00; Q, $2.85, ₩ gro. $8.00; R, ₩ gro. $30.00.
Wrist Supporters....₩ doz. 75c
Mittens....₩ doz. $1.50
Ashtabula....₩ gro. $2.50
Brinkerhoffs....₩ gro. $15.00
Buckeye....₩ gro. $4.00
Cleveland....₩ gro. $7.50
Johnson's....₩ gro. $6.50
Universal....₩ gro. $15.00

Corn Knives and Cutters—
Bradley's....10%
Wadsworth's....45%

Counter Sinks—
Adjustable....30%
Shepardson's Diamond....40@45%
Einwachters....60&10%
Wheeler's Patent....40%
Wm. Johnson's....50%

Crayons—
Sargent's List....30%

Dixon's
Eclipse....₩ gro. $3.75
Emerald....₩ gro. 5.00
Oriole....₩ gro. 5.00
Rainbow....₩ gro. 2.51
Solid....₩ gro. 7.50

Curry Combs—
Spring....40%
Rubber....25%
Perfect....33⅓
F. E. Kohler & Co.'s Magic Oscillating....₩ doz. 2.00
F. E. Kohler & Co.'s Humane ₩ doz. $1.75
Gibbs' Magnetic per doz. net...$2.00

Cutters—
See Meat Cutters.

Dampers—
Buffalo (Sidney Shepard & Co.):
Japanned Shank 4 4½ 5 $1.00 $1.13 $1.25
5½ 6 7 inches
$1.38 $1.50 $2.00, dos....40&10%
Nickeled Shank 4 4½ $1.25 $1.43 $1.60
5½ 6 7 inches
$1.73 $1.85 $2.35, dos....40&10%
Buffalo Damper Clips....40&10%
Crown Damper....40%
Excelsior....40&10%

Diggers—
See Post Hole, etc.

Dividers—
See Compasses.

Dog Collars—
Union Hardware Co. New List. 50&50&10%
Chapman Mfg. Co.'s New List:
Chain (full assortment)....60%
Leather (full assortment)...50&10%
Medford Fancy Goods Co. list.40&10%
Keystone Mfg. Co.:
Low List....50%
Leather Muzzles....50&10%

Door Checks—
Bardsley's....15%
Sargent's Eclipse....55%
Shaw's....40%
Unity F. G....50%

Door Openers, Electric—
Electric Door Opener, complete. $9 50&10%
Thaxter Electric Lock, list....$35.00

SPARK COIL—
Stanley & Patterson $4.00....50%
Stanley & Patterson "Daisy"..$1.50

GAS LIGHTING KEYS—
Stanley & Patterson, list Jan., 1893....33⅓&5

Door Springs—
Torrey's Rod, regular size ₩ doz $1.40
Bee Rod ₩ gr., $30.00....20%
Warner's....45&10%
Gem (Coil), list April 19, 1886....10%
Star (Coil), list April 19, 1886....20%
Foster's (Coil)....20%
Champion (Coil)....55%
Cowell's No. 1, ₩ doz., $13.00; No. 2, $15.00....50%
Rubber....60%
See Spring Hinges.

Drawer Pulls—
Sargent's List....60%

Drawing Knives—
Witherby....
Jennings & Griffin....
P. S. & W....
Mix....
New Haven....
} ..75@75&10%
Merrill & Wilder....60%
Douglass....75@75&5%
Watrous....30%
L. & I. J. White....20&5%
Bradley's....25%
Adjustable Handle....20@25%
Wilkinson's Folding....25@25&5%
Hinsdale....75&5%

Dressers, Emery Wheel
Crucible....20%

Drills and Drill Stocks—
Blacksmiths'....each $2.25
Breast, P. S. & W....33⅓&10%
Breast, Wilson's....30&5%
Breast, Millers Falls....25%
Breast, Bartholomew's..each $2.50 25&10@40%
Ratchet, Merrill's....20@30&5%
Ratchet, Ingersoll's....25%
Ratchet, Packer's....65%
Ratchet, Whitney's....30&10%
Ratchet, Weston's....20@25%
Ratchet, Moore's Triple Act..25@30%
Ratchet, Billings' Dble. Acting 33⅓&5
Whitney's Hand Drill, No. 1, $10.00; No. 2, $12.00....30&10%
Wilson's Drill Stocks....10%
Automatic Boring Tools....$2.00, 25%
Stearns' Bench....60%

TWIST DRILLS—
See Augers and Bits.

Egg Beaters—
Dover....₩ doz $3.00..60%
National ₩ doz $4.50....33⅓&5
Family (T. & S. Mfg. Co.) ₩ gro $17.00 @$18.00
Duplex (Standard Co.)...₩ doz $1.25
Rival (Standard Co.)....₩ doz $1.00
Duplex Extra Heavy (Standard Co.) ₩ doz $2.50
Triumph (T. & S. Mfg. Co.), ₩ gro $10.50 $11.00
Ayre's Spiral....₩ gro $ 5.00
Paine, Diehl & Co.'s Keystone..33⅓&5

Egg Poachers
Morgan Steam, No. 2. No. 4.
₩ doz. $4.20 $6.00....40%

Emery—

	No. 4 to 46 gr.	No. 54 to 150 gr.	Flour, OF FF.
Kegs, ₩ lb.	4½c	5c	2½c
½ kegs, ₩ lb.	4½c	5½c	2½c
¼ kegs, ₩ lb.	5c	5½c	3c
10 lb cans, 10 in case....	6c	½c	5c
10 lb cans, less than 10..	10c	10c	7½c

Escutcheon Pins—
Iron, list January, 1890....60%
Brass....65%

Enameline—
No. 4, ₩ gro....$4.50
No. 6, ₩ gro....$7.20

Escutcheons
Door Lock, same dia. as Locks.
Iron, list January, 1890....60%
Brass Thread....65%
Wood....25%

Faucets—
John Sommers' Son:
Peerless Best Block Tin Key...40%
IXL., 1st quality, Cork Lined...50%

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Diamond Lock....40%
Perfection, Fla. Red Cedar....40%
No Brand Red Cedar (in bbls)....50&10%
Boss Metallic Key....50%
Reliable Cork Lined....60%
O. K. West. Pat. Cork Lined..50%
Western Pattern Metal Key...40%
No Brand Metal Key....60%
Fenn's....40%
Bohren's Pat. Rubber Ball....25%
Fenn's Cork Stops....33⅓%
Starr....50%
Frary's Pat. Petroleum....60%
Haydenville Mfg. Petroleum....60%
Beer and Liquor....60%
Globe Cock....60%
Cork Lined....70%
Burnside's Red Cedar....50%
Burnside's Red Cedar, bbl. lots 50&10%
Self-Measuring:
Enterprise ₩ doz. $36.00....20%
Lane's ₩ doz. $36.00....25%
Enterprise Molasses Gates....20%

Fibreware—
Standrad Fibre-ware Co., Mankato, Minn.:

	PRICE PER DOZ. No. 1.	No 5.	No 5x.
Water Pails, 12 qt	$3.00	$3.5	$4.00
Dairy Pails, 14 qt. $3.33..	4.00		
Fire Pails, No. 2, 14 qt. $4 00	3.50		
Sugar Pails, with cover	4.50	5.00	
Horse Pails short, wide and heavy)	3.70		
Buggy Pails (short and light)	2.75		
Prison Pails (with cover)	6 50		
Slop Jars (bal. trap), No. 5 and 5x. 14 qt	7.00	8.00	9.00
Chamber Pails, Slop Pails, Commode Pails Nos. 5 and 5x, 14 qt	5 50	6.50	7.50
Commoee Rings (extra)	1 50	1.75	2.00
Wash Basins (10½ inch)	1.75	1.90	2.30
" (12 inch)	1.90	2.30	2.80
" (13½ inch)	2.30	2.80	3.30
Wash Bowls		3. 0	4 00
Pitchers		5.00	5.50
Milk Pans (Old Gold, in No. 5)		2.00	2.50
Fruit Bowls		1.90	2.10
Keelers, 11½ inch		2 80	3.30
Waste Paper Baskets, 13 inch high		4.00	4.50
Mats, 8½ inch (for table use)	1 00	1 20	1.40
Mats, 15 inch (for cuspidores, etc	3.00	3.25	3.75
Mats, 17 inch (for slop jars, spit oons, etc)	3 50	3.80	4.30
Mats, 20 inch (for slop jars, spittoons, etc)	4.00	4.40	4.90
Cuspidors, 8½ inch, by 7½ inch high		7.00	8.00
Spittoons, "Daisy," 8 inch (p essed)	3.50	4.00	4.50
Spittoons, 10 Ind 11½ inch	4.50	5.00	5.50
Peck Measures	3.00		
Half Peck Measures	2.50		

Files—
DOMESTIC—
Arcade....65%
Montgomery & Co., Special....65%
Nicholson Files, Rasps, &c....66⅔%
Nicholson Butcher Steels....25%
Nicholson (X.F.) Files....25%
Eagle....60&10&10@70%
New American....60&10&10@70%
New York File Works....60&10&10%
Other makers best brands, 60&10@70%
Heller's Horse Rasps....50&10%
McCaffrey's Horse Rasps....50&10%
Chelsea Horse Rasps, H'nd C't&S 10%
IMPORTED—
Moss & Gamble, List April 1, 1893. 15%
Butcher....Butcher's list, 20%
Stubs....Stubs' list, 20%
Grobet....35%

Filters—
Seed's Water Filters...$3 dos. net; $33 gross net.

Fish Hooks—
American Fish Hook Co., list....60%
Kirby & Limerick, low list (50c base)....10%

Fluting Machines—
Knox....35%
Geneva Hand Fluter, White Metal, ₩ dos. $12.00....25&5%
Crown Fluters....30%

Fluting Scissors—
List....45%

Fly Fans—
Columbia....10%
Fowlers ₩ dos....$31.00
Keyless M. & I. Co. ₩ dos....$21.60

Forks—
Hay, Manure, &c., Asso. List....70%
Hay, Man'e, &c. Phila. list. 60@60&5%

Freezers, Ice Cream—
Shepard's Lightning....65@65&5%
White Mountain....60@60&10%
Ohio....60@60&10%
Improved Arctic....65&10@70%
Granite State....65@65&10%
Gem....65%
Keystone, P. D. & Co....30%
Packer's Standard and Double Action Standard....60@60&5%
Model....60@60&5%
Good Luck....65@65&5%
Confectioner's Machine....50%
Jack Frost....35@40%
Blizzard....70%
American....60%

Fruit and Jelly Presses—
Enterprise Mfg. Co....25%
Henis....₩ doz $3.50
Shepard's Queen City....40%

Fry Pans—
Standard List:

No	0	1	2	3	4
₩ dos.	$8.00	$3.75	$4.25	$4.75	$5.25
No	5	6	7	8	
₩ dos.	$6.00	$7.00	$8.00	$9.00	

Polished, regular goods....75%
Acme Fry Pans....70%

Gas Irons—
Bolg ano's New Hot Air Perfection Gas Iron....₩ dos. $18.00

Gauges—
Marking, Mortise, &c....60&10%
Starrett's Surface, Center and Scratch....35&10%
Bemis & Call's Steel....50%
Stanley's....60&10%
Stanley's Chisel....25%
Clapboard....20&10%
Wire, low list....10&10%
Wire, Wheeler, Madden & Co....10%
Wire, Morse's....50@50&5%
Wire, Brown & Sharpe's....20%
Stubs' Wire and Drill....20%
Copeland Champion Bit ₩ doz $2.00 net

Gimlets—
Star....50%
Metal head....55%
Nail and Spike....55%
"Eureka" Gimlets....60&10%
"Diamond" Gimlets....40%
Double Cut....40%
United States....35&10%
Pod....60&10%
Wood head....50&10%
Double Cut, Ives'....60@60&5%
Double Cut, Douglass'....40&10%
"Bee," ₩ gr $13....25@25&10%
Bell Hangers....50%

Glue Pots—
Tinned....45%
Enameled....45%
Family, Howe's "Eureka"....50%
Family, L. F. C.'s "Handy"....55%

Grindstones—
Family....50%
New York Pattern....20%
Ohio Pattern....10%
Millers Falls....25%

Grindstone Fixtures—
Howard Iron Co....20%
Sargent's Patent....70&10%
P., S. & W. Co....50&10%
Moore's....55%
Russell & Erwin....70&10%

Gunpowder—
See Ammunition.

Hack Saws—
See Saws.

Hafts—
Britton's....₩ dos. $6.50

Halters—
Covert Saddlery Works, List 1893.
Rope, ¼ in. Jute....
Rope, ¼ in. Hemp....
Web and Rope Halters....
Hemp Horse and Cattle Tie.
Jute Horse and Cattle Ties.
} 33⅓%
Upson & Wooding....40%

Hammers—
HANDLED HAMMERS—
Maydole's....35%
Buffalo Hammer Co....
Humason & Beckley....
Atha Tool Co....
Fayette R. Plumb....
} 40&10@50&10%
C. Hammond & Son. List, Oct., '89, 50%
Verree....50%
Magnetic Tack, Nos. 1, 2, 3, $1.35, 1.50&1.75....40%
Fayette R. Plumb:
Drilling or Striking....75&10%
Stone....70%
Blacksmiths'....60&10%
Masons'....75%
Dunlap's Patent....20%
Nelson's Tool Works....40&10%
Warner & Nobles....20@25%
Peck, Stow & Wilcox....40%
Sargent's....50%
Ladies Perfect Tack, ₩ dos. Nos. 1, $3; 2, $6....33⅓
Steel Face Shoe....40%
Wm. Johnson's:
Upholsterer's Light, ₩ doz. $6.25....45%
Upholsterers Heavy, ₩ doz. $7.60....45%
Upholsterers Usual French, ₩ doz. $10.00....45%
Upholsterers Solid Steel, French ₩ doz. $20.00....30%
Upholsterers Rosewood Handles, ₩ doz. $14.00....40%
Henry Cheney Hammer Co.
Handled Claw....40%
Machinists'....60%
Spier's Machinists'....33⅓&10%
New England Specialty Co
Cast Iron, Nickel....50%

HEAVY HAMMERS AND SLEDGES—
Under 3 ℔....₩ ℔ 45c
3 to 5 ℔....₩ ℔ 35c
Over 5 ℔....₩ ℔ 30c
} 75@75&10%
Wilkinson's Smiths....10½c@11c₩ ℔

Handcuffs and Leg Irons—
See Police Goods.

Handles—
IRON, WROUGHT OR CAST—
Door or Thumb:

Nos.	0	1	2	3	4
Per dos.	$ .90	1.00	1.15	1.35	1.50

60&10&10%
Tub Handles....60&10%
Ring Handles....70%
Shelf Box Handles....55%
Drawer Handles....60%
Trunk Handles....60%
Chest Handles....60&10@70%
Roggin's Latches....60&10&10%

STORE DOOR HANDLES—
Japanned....60&10%
Bronzed....60&10@66⅔%
With Lock....75%
With Cylinder Lock....50%
Dead Lock Handles....75%

DOOR PULL—
Sargent's List....66⅔%
Bank Door....60&10%
Plain B. M....66⅔%
Bar....60&10%
Push Plates, Sargent's List....66⅔%
Sash Pull Plates....70&10%
Drawer Pulls....70&10@75%
Sash Pulls....60&10&10%
Window Pulls....66⅔%
Barn Door....60%
Chest and Lifting....70%
Saw and Plane....45%
Hammer, Hatchet, Axe, Sledge, etc....25@35%
Brad Awl....60%
Hickory Firmer Chisel, as ₩ gr 4.50
" Firmer Chisel, large ₩ gr 5.00
Apple Firmer Chisel, as.. ₩ gr 5.00
Apple Firmer Chisel, large ₩ gr 6.00
Socket Firmer Chisel, as. ₩ gr 8.00
} 40&10%
Worcester Leather Cap'd Chisel. 25%
File, assorted....₩ gr 2.75
Auger, assorted....₩ gr 5.00
Auger, large....₩ gr 7.00
} 30@
Pat. Auger Ives'....30&10%
Pat. Auger, Douglass'....₩ set $1.25
Pat. Auger, Swan's....₩ set $1.00
Millers Falls Auger....25%
Hoe, Rake, Shovel, etc....50&10%

CROSS-CUT SAW HANDLES—
Atkins' No. 1 Loop, ₩ pair, 28c.; No. 3, 18c.; No. 6, 16c.; No. 2 and No. 5. Reversible, 18c.
Boynton' Loop Saw Handles, 50c. 60%
Champion....15c
Gwinner's Sensible....33⅓%

Hangers—
Barn Door, old pattern....60%
Barn Door, New England....60&10%
Samson Steel Anti-Friction....55%
Orleans Steel....55%
Hamilton Wrought Wood Track. 55%
U. S. Wood Track....65%
Champion....60&10%
Rider and Wooster, Medina Mfg. Co.'s list....70%
Olimax Anti-Friction....55%
Olimax Anti-Friction for Wood Track....55%
Zenith for Wood Track....55%
Reed's Steel Arm....50%
Challenge, Barn Door....50%
Sterling's Improved....60%
Victor, No. 1, $15.00; No. 2, $16.50; No. 3 $18.00....50&5%
Cheritree....50&10%
Kidder's....50&10@60%
The Boss....60&10%
Best Anti-Friction....60&10%
Duplex (Wood Track)....60&10&5%
Terry's Pat., ₩ doz. pr. 4 in. $10.00; 5 in. $12.00....50&10%
Terry's St'l Anti-Fric. Leader. 50&10%
Terry's Steel Anti-Friction Ideal, 50&10%
Munger Hanger....20&10%
Davis Hanger....20&10&10%
Stearns' Barn Door....50&15%
Cronk's Steel cov'd Anti-Friction: Nos. 1, $15.00; 1¼, $15.00; 2, $22 3, $26.00....50&10%
Acme, Lull & Porter....75%
Queen City Reversible...75&10&5%
Cronk's Dble. Braced Steel Rail 50&15%
Carrier Anti-Friction, Nos. 4, $15.00; 4½, $18.00; 5, $22.00; 6, $24.00....50&15%
Felix, ₩ set $4.50....20%
Richards'....40%
Lane's Steel Anti-Friction....55%
Ball Bearing Door Hanger..20&10@25&10%
Warner's Pat....20&10@20&10&10%
Stearns' Anti-Friction....20&10@20&10&10%
Stearns' Challenge 25&10@25&10&10%
Rider & Wooster, No. 1, 66½c.; No. 2, 75c....40%
Universal Anti-Friction....40%
Wild West, 4 in. Wheel, $15.00; 5 in. Wheel, $21.00....45&10%
No. 50 Hanger....50%
Royal....40&10%
Star....40&10@40&10&5%
May....50&5@50&10%
Barry, $3.00....40&10%
Moore's Baggage Car Door....33⅓%
Moore's Elevator....33⅓%
Moore's Railroad....55%

Harness Snaps—
See Snaps.

Hatchets—
See Axes.

Hay Racks—
Baxter Wrought Iron, No. 1, $2.00; No. 2, $3.00....30%

Hay and Straw Knives—
Lightning. Mfrs' price ₩ doz $18.00. 45%
Gem....₩ doz $10
Wadsworth's....40%
Carter's Needle....₩ dos $11.50@$13.00
Heath's....₩ doz $13.50@$14.00
Auburn Hay, Com. and Spear Point....50%
Auburn Straw....40%
Nolin's Hay....₩ dos $10.00

Hinges—
WROUGHT IRON HINGES—
Strap and T....30&10&10%
Corrugated Strap and T..30&10&10%
Hart's Pat. Heavy Strap....30%
Screw Hook and Strap. 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Heavy Welded Hood... 6 to 12 in., ₩ ℔ 3 9-10c; 14 to 20 in., ₩ ℔ 3 4-10c; 22 to 36 in., ₩ ℔ 2 9-10c
Screw Hook and Eye. ½ in., ₩ doz $1.50; ⅝ in., ₩ doz $2.45; ¾ in., ₩ doz $3.80 } 10%
Rolled Blind Hinges Nos. 33 and 34 50%
Rolled Plate....70&10%
Rolled Raised....70&10&10%
Plate Hinges "Providence" 8, 10, 12 & 14 in., ₩ 100 ℔ $5.75, over 14 in., ₩ 100 ℔....$4.75

SPRING HINGES—
Sargent's List 1894:
Tuscan Surface, Single....60&10%
Tuscan Surface, Double....66⅔%
Japanned Surface, Single....60%
Japanned Surface, Double....55%
Bronze Metal....60%
Mortise....55%
Geer's Spring and Blank Butts...40%
Bardsley's Patent Checking....15%
Keil's American....30%
Union Spring Hinge Co.'s list, March, 1886....30%
Acme....30%
J. S....25&10%
Empire and Crown....30%
Stover Ideal ₩ gro....$12.00
New Idea ₩ gro....$12.00
Hero and Monarch....55%
American, Gem and Star....30%
Oxford....30%
Barker's Double Acting...25@25&5%
Union Mfg. Co....40%
Bommer's....30%
Buckman's....15@30%
Chicago....30%
Wiles'....10%
Devore's....40%
Rex....40%
Royal Japanned....60%
Royal Bronze....45%
Reliable....60%
Champion....55%
Matchless No. 10....50&10%
Victor....60%
Torrey....30%
Rubber....66⅔%

GATE HINGES—
Western....₩ doz $4.40, 60%
N. E....₩ doz $7.00, 55%
N. E. Reversible. ₩ doz $5.30, 55&10%
Clark's Nos. 1, 2, 3....60&10&5%
N. Y. State....₩ doz $5.00, 55&10%
Automatic....₩ dos $12.50, 50%
Keil's Superior....20%
Common Sense..₩ dos pair $4.50, 50%
Seymour's....45&10%
Shepard's....30&10&15%
Sargents....60%
Reed's Latch and Hinges...₩ dos $12.00, 50%
Long's Self Closing....50%

BLIND HINGES—
Barker....75&10%
Palmer....50&10&10%
Seymour....70&5%
Nicholson....45&10%
Huffer....50%
Clark's Nos. 1, 2, 5, 40 and 50....30%
Clark's Mortise Gravity....50%
Sargent's....75%
Shepard's:
Noiseless....75&10%
Niagara....30%
Buffalo....30%
Clark's Genuine Pattern....30%
O. S. Lull & Porter....75&10&10%
Clark's Lull & Porter, Nos. 0, 1, 1½, 2, 2½, 3....75&10&5%

Hoes—
HANDLED—
Garden, Mortar, &c....30%
Planter's Cotton, &c....30%
Warren Hoe....65%
Magic....₩ doz $4.00
Dunlap's:
Boys' hoes....₩ doz $3.00, 30%
Ladies' hoes....₩ doz $2.00, 30%
Scuffle....30%

EYE—
D. & H. Scovil....20%
American Axe & Tool Co....70%
Lane's Crescent Planters Pat..45&5%
Lane's Razor Blade, Scovil Pat....35%
Maynard, S. & O. Pat....45&5%
Sandusky Tool Co., S. & O. Pat....70%
Hubbard & Co., S. & O. Pat. 60&5@60&10%
Chattanooga Tool Co., S. & O. Pat. 70%
Grub....70%

Hog Rings and Ringers—
Hill's Improved Ringers, ₩ doz $1.25
Hill's Tongs....₩ doz $3.00
Hill's Rings...₩ doz bxs $2.15@$1.00
Perfect Rings..₩ dos bxs $1.60@$1.70
Perfect Ringers...₩ dos $2.15@$2.25
Blair's Hog Ringer ₩ dos $2.25@$2.50
Blair's Hog Rings...₩ doz 90c@$1.00
Champion Ringers....₩ doz $2.00
Champion Rings, Double, ₩ doz $2.25
Brown's Ringers....₩ doz $2.00
Brown's Rings....₩ dos $1.25@$1.30

Hollow Ware—
IRON—
Stove Hollow-ware:
Ground....60&10%
Unground....65&10%
White Enameled Ware:
Maslin Kettles....60&10%

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Boilers and Saucepans.....45&5%
Tinned Boilers and Saucepans, 40&5%
Gray Enameled-Ware:
Stove.....50%
Maslin Kettles.....65&10%
Boilers and Saucepans.....45&5%
Granite and Agate-Ware, list Jan. 1, 1894.....35%
Ironclad Enameled-Ware. 33⅓&10%
Rustless Hollow-Ware.....60@60&5%
Triumph Broilers.....50%

SILVER-PLATED—
4 mo. or 5% cash in 30 days.
Reed & Barton.....
Meriden Britannia Co.....
Simpson, Hall, Miller & Co..
Rogers & Brother..... 40&5%
Hartford Silver-Plate Co.
William Rogers Mfg. Co. 40&5&5

Hooks—
CAST IRON—
Bird Cage, Sargent's list
Bird Cage, Reading.....
Clothes Line, Sargent's list. 60&10&10%
Williamson Bird Cage, new list..40%
Clothes Line, Sargent's list, 60&10&10@70%
Ceiling, Sargent's list.....55&10&10%
Harness, Rg. list. 55&10@55&10%&10%
Coat and Hat, Sargent's list..50&10%
Coat and Hat, Reading, 50&10@50 &10&10%
Coat and Hat.....70%
Wardrobe.....55%
Screw Hat.....70%
Chandelier.....70%
Lamp.....55%
Screw.....60&10&10%
Picture.....75%
Cup.....75%
Safety Gate.....60%

WROUGHT IRON—
Cotton.....₩ dos $1.35
Cotton Pat. (N. Y. Mallet & Handle Works.....10%
Tassel and Picture (T. & S. Mfg. Co.).....60%
Wrought Staples, Hooks, &c. See Wrought Goods.
Hammock Hooks, Nos. 16, 20 & 24 60&10%

MEAT—
Charlton, No. 1, $8.50; No. 2, $10.00; No. 3, $12.00; No. 4, $20.00.....40%

WIRE—
Atlas Coat and Hat.....60%
Wire Coat and Hat, Gem, list April, 1888.....50%
Wire Coat and Hat, "Ores't".60&10%
Wire Coat and Hat, Miles', list April, 1888.....50%
Indestructible Coat and Hat.....45%
Wire Coat and Hat, Standard....45%
Wire Drive.....80%
Belt.....60&10%
Handy Coat and Hat.....60&10%
Steady Ceiling.....50%
Wm. Johnson's:
8 in. $2.20 net; 10 in. $2.70 net ₩ dos.

MISCELLANEOUS—
Dunlap's Merchandise.....35%
Grass, No. 2, $2; 3, $2.25; No. 4, $2.50
Bush.....60&10%
Whiffletree—Patent.....55%
Hooks and Eyes—Mal. Iron.70@70&10%
Hooks and Eyes—Brass.....70%
Moores' Clothes Line.....70%
Moores' Harness.....70%
Moores' Hotel & School House...70%
Wm. Johnson's Cotton, Box and Hay.....60

Horse Nails—

	Nos. 6	7	8	9	10	
Putnam	23c	21c	20c	19c	18c	15%
American	9¾	9¾	9¾	9¾	9¾	net
Ausable	26c	26c	25c	24c	23c	40&5&5&2%
Clinton Fin.	19c	17c	16c	15c	14c.	50&10%
Essex	23c	26c	25c	24c	23c.	40&10&5&5&2%
Lyra	19c	17c	16c	15c	14c.	40&10%
Snowden	19c	17c	16c	15c	14c.	40&10%
Vulcan	26c	21c	20c	19c	18c	25%
Northw't'n	25c	23c	23c	21c	20c.	25@25&5%
A. C.	25c	26c	26c	21c	21c.	25&10@33⅓&5%
C. B. K.	25c	25c	23c	21c.	21c	33⅓@33⅓&10%
Maud S.	25c	25c	23c	21c.	21c	40&10&5%
Champlain.	26c	26c	25c	24c	23c	40&5&5&2%
Saranac	26c	21c	20c	19c	18c.	40&5%
Champion.	25c	23c	23c	21c	20c.	10&10&10%
Capewell	19c	18c	17c	16c	16c.	10&5%
Anchor	26c	21c	20c	19c	18c	35%
Western	26c	21c	20c	19c	18c	50%
Empire Bronsed						13@14c ₩ ℔

Horse Shoes—
See Shoes.

Hose, Rubber—
Boston Belting Co.:
"Imperial".....30&5%
"Boston".....50&10&5%
Competition.....75@75&10%
Standard.....70%
Extra.....55@60%
N. J. Car Spring & Rubber Co.:
Extra Para.....40&10%
Reliable.....50&10%
Staple.....60&10%

Ice Chippers, &c.—
Dunlap's No. 1.....$3.50 per doz 20%
Dunlap's No. 20....$12.00 per doz 20%
Crown.....$6.00 per doz 25%
Star.....$2.00 per doz 25%
Gem Ice Shave.....$6.00 per doz 25%
Copeland Ice Pick....₩ gr $9.00 net
Wm. T. Wood Ice Tools.....50&10%
Sargent's Ice Awls.....55%

Ice Picks—
See Ice Chippers.

Irons—
ee Sad Irons.

Jack Screws—
See Screws.

Kettles—
SPUN PLAIN BRASS—

Quarts.	2	4	6	8	10
Inches.	7x4½	8x5	9x6	10x7	11x8
Dozen..	$3.60	$5.40	$9.00	$10.80	$12.60
Each...	.30	.45	.75	.90	1.05
Quarts.	12	16	18	20	
Inches.	12x9	13x9½	14x10	15x10½	
Dozen..	$14.40	$18.00	$20.64	$23.40	
Each...	1.20	1.50	1.72	1.95	
Quarts.	24	32	40	48	
Inches.	16x11	17x11½	18x12	19x13	
Dozen..	$27.00	$32.40	$41.58	$49.50	
Each...	2.25	2.70	3.47	4.13	
Quarts.	56	72	100	128	
Inches.	20x14	22x15½	24x17	26x18½	
Dozen..	$65.34	$79.20	$108.90	$136.62	
Each...	5.45	6.60	9.08	11.38	

SPUN BRASS, PLATED INSIDE WITH WHITE METAL—

Quarts.	4	6	8	10
Inches.	8x5	9x6	10x7	11x8
Dozen..	$5.40	$9.00	$10.80	$12.60
Each...	.45	.75	.90	1.05
Quarts.	12	16	18	
Inches.	12x9	13x9½	14x10	
Dozen..	$14.40	$18.00	$20.64	
Each...	1.20	1.50	1.72	
Quarts.	20	24	32	
Inches.	15x10½	16x11	17x11½	
Dozen..	$23 40	$27.00	$32.40	
Each...	1.95	2.25	2.70	

Keys—
Corbin Cabinet Lock Co.'s Cabinet, Trunk and Pad.....40&2%
Eagle Lock Co's. Cabinet &c.33⅓&2%
Lock Asso'n List Dec. 80, 1886.50&10@60&5%
Hotchkiss' Brass Blanks.....40%
Hotchkiss' Copper and Tinned...40%
Hotchkiss' Pad and Cab.....35%
Ratcnet Bed Keys....₩ doz $4.00, 15%
Wollensak Tinned.....50&10%

Knives—
Goodell's Butcher.....25%
Wilson's Butcher Knives.....25%
Ames' Butcher Knives.....20%
Foster Bros.' Butcher, &c.....40%
Nichols' Butcher Knives.....40&10%
Cigar Knives.....₩ doz.85 @ $1.15
Ames' Shoe Knives.....20%
Goodell's Shoe Knives.....40%
Goodell's Bread Knives Ass'n list.net
New England Specialty Mincing Knives.....50%
Pocket Knives.....50%
Dunlap Kitchen and Br'd Knives 25%
French Sabatier..... 25%
Seconds.....40%
F. E. Woodworth & Co.....50@66⅔%
Ames' Bread Knives. ₩ dos. $1.50, 20%
Moran's Shoe and Bread.....30%
Hay and Straw, see Hay Knives.
Sidney Shepard & Co.'s Buffalo Adjustable Mincing ₩ dos. 3.00 20%
Table and Pocket, see Cutlery.
Campbell Cutlery Co.'s Pocket Knives.....List net
Cheese Knives, 12 in. ₩ dos. $4.50; 14 in. ₩ doz. $5.00; Nickeled, 50c additional.
Ideal.....50%

Knobs—
Door Mineral.....65@70c. per doz.
Door Por. Jap'd.... 75@80c. per doz.
Door Por. Nickel.....$2.00@2.25
Door Por. Plated, Nickel..$2.00@2.25
Drawer, Porcelain.60&10@60&10&10%
Hemacite Door Knobs....40&10@50%
Yale & Towne Wood, list Dec. '85.40%
Norwich Lock Mfg. Co., Bronze and Wood, list Dec. 1890....50&10%
Bardsley's Wood Door, Shutter and Base.....15%
Kell's Bronze.....net
Base, Rubber Tip.....70&10&5%
Picture, Judd's.....60&10&10@70%
Picture, Sargent's.....70&10%
Picture, Hemacite.....35&5%
Shutter, Porcelain.....70&10%
Shutter, Bronsed.....60%
Carriage, Jap.....₩ gro. 80c, 60&10%

Ladles, Melting—
Sargent's.....55&10%
Monroe's Pat.....₩ dos $4.00, 40%
P. S. & W.....35&10@40%
Warner's.....30%

Lawn Mowers—
New Model.....60&10%
Enterprise.....40%
Standard.....60&5%
Imperial.....60&5%
New York.....60&5%
Genuine Philadelphia.....70%
Genuine Style A, all Steel.....60%
Champion.....75&10%
Sunbeam.....60&10%
Pennsylvania.....60%
Continental.....60%
Great American.....70%
Rapid Transit and New Departure.....net prices on application.

Lawn Sprinklers—
Enterprise.....25%
Gibbs' Arc.....net ₩ doz. $12.00
Gibbs' Hustler.....net ₩ doz. $6.00

Leaders—
See Cattle Leaders.

Lemon Squeezers—
Porcelain Lined, No 1, ₩ dos. $6.00 40&5@40&10%
Wood No. 2.....₩ dos. $2.00, 50%
Wood, Common....₩ dos. $1.70@1.75
Dunlap's Improved ₩ dos. $2.75..20%
Jennings' Star.....₩ dos. $2.25
The Boss.....₩ dos. $2.50
Dean's, Nos. 1, ₩ dos. $6.50; 2, $3.25 3, $1.65; Queen $2.50 net
Little Giant.....50@50&10%
Hotchkiss.....₩ doz $15.00, 40%
Berger Bros. ₩ doz. 8-in. $1.00; 10-in. $1.40.....30%
Acme.....₩ dos $15.00

Letter Box Plates—
Sargent's.....60&10&10%
Name Plate.....60&10%
Name Door Plate.....50%
Number Door Plate.....50%

Lifters—
See Transom Lifters.

Lines—
Cotton and Linen Fish, Draper's.50%
Draper's Chalk.....60%
Draper's Masons' Linen, 84 ft. No. 1, $1.25; No. 2, $1.75; No. 3, $2.25; No. 4, $2.75; No. 5, $3.25.....25%
Cotton Chalk.....55@60&10%
Samson, Cotton, No. 4, $2; No. 4½, $2.50....10%
Hoffman Corkran.....33c
Silver Lake, Braided, No. 0, $6.00; No. 1, $6.50; No. 2, $7.00; No. 3, $7.50 ₩ gro.....35%
Mason's Linen.....33⅓%
Mason's Colored Cotton.....40&10%
Ventilator Cord, Samson Braided, White or Drab Cot. ₩ dos.$7.50, 20%

Locks—
DOOR LOCKS, LATCHES, &c.—
R. & E. Mfg. Co., list March 20, 1889.....55&5%
Mallory, Wheeler & Co., list July, '86.....66⅔%
Reading Hdw. Co. List Feb. 2, '95. 55&5%
Sargent & Co., list July, '94...60&10%
Branford Lock Co.....net prices
Norwich Lock Mfg. Co.....55&5%
Craig Combination.....net prices.
Brittan, Granam & Mathes, list, Jan., 1890.....60%
Champion Night Latches.....40%
Plate.....33⅓&2%
Barnes Mfg Co.....40%
Yale.....net prices
Deltz Flat Key.....20%
Romer's Night Latches.....15%
Brooklyn Latches.....50%
Shepardson or U. S.....35%

CABINET—
Corbin Cabinet Lock Co., List March, '84, revised Jan. '85.33⅓&2%
Eagle Lock Co.....33⅓&2%
Charles Parker Co.....33⅓&2%
Dietz, Nos. 51 to 63.....40%
Dietz, Nos. 86 to 96.....30%
Stoddard Lock Co.....30@33⅓%
Yale.....net prices
Romer's.....25%
Barnes Mfg. Co.....40%

TRUNK LOCKS—
Corbin Cabinet Lock Co.....25&2%
Eagle Lock Co.....25&2%

PADLOCKS—
List, June 10, 1891.....50%
Jan., 1890.....70%
Gem, Corbin Cabinet Lock Co.40&2%
Eagle Lock Co.....25&2%
Eureka, Eagle Lock Co.....40&2%
Yale Lock Co.....net prices
Romer's Nos. 0 to 91.....20%
Romer's Scandinavian, &c, Nos. 100 to 595..15%
A. E. Deltz.....40%
Champion Padlocks.....40%
Hotchkiss.....30%
Star.....60&10%
Horseshoe.....35%
Barnes Mfg. Co.....40%
Nock's.....30%
Brown's Pat.....20&10%
Scandinavian.....90&10%
Fraim s Keystone Scandinavian:
Nos. 1010 line.....90&50%
Nos. 130 line.....90&25%
Nos. 10 line.....65%
Nos. 235, 610.....75%
Nos. 510 line.....70&10%
Other numbers.....50&5%
Ames Sword Co. up to No. 150...40%
Ames Sword Co. above No. 150...50%
Slaymaker, Barry & Co.
No. 1010 line.....90&10&10%
No. 41 line.....50&10%
No. 61 line.....60%
No. 21 line.....30%
No. 427.....30%
Acme Bicycle and Satchel per doz. $9.00.....33⅓&
Smith & Egge Bicycle.....50%

Mallets—
Hickory.....35&10%
Lignumvitæ.....35&10%
Raw-Hide.....40&10%

Mattocks—
Regular list.....60&10%

Meat Cutters—

Dixon's				₩ doz 40%
Nos.	1	2	3	4
	$14.00	$17.00	$19.00	$30.00

Woodruff's ₩ dos.....40%

Nos.	100	150
	$15.00	$18.00

Hales Pattern ₩ dos.....70%

Nos.	11	12	13
	$37.00	$33.00	$45.00

American.....30%

Nos.	1	2	3	4	B	5
Each.	$5	$7	$10	$25	$50	$80

Perfection.....40%

Nos.	1	2	3
Each	$2.00	$2.75	$4.00

Enterprise.....25%

Nos.	10	12	22	33	42
Each	$3	$3.50	$4	$6	$15

Miles' Challenge ₩ dos...45@45&25%

Nos.	1	2	3
	$33.00	$30.00	$40.00

Home No. 1..₩ dos $36.00, 55&10&2%
Draw Cut, each:

Nos.	5	2	6	6	
	$50	$75	$80	$225	20@25%

Beef Shavers (Enterprise).....20%
Little Giant.....50&10%
Chadborn's Smoked Beef Cutter, ₩ dos $36.00

Mills—
See Coffee Mills.

Mowers—
See Lawn Mowers.

Nails—
See Trade Report for quotations on Wire and Cut Nails.
Grand Crossing Tack Co. List:
Wire Brads.....50&25%
Wire Nails.....50&25%

PICTURE—
Brass Head, Sargent's list....50&10%
Brass Head, Combination list.50&10%
Porcelain Head, Sargent's list. 50& 10&10%
Porcelain Head, Comb'n list,.40&10%
Niles' Patent.....40%

FURNITURE—
Plain.....40%
Fire Gilt.....10%
Antique Bronse.....10%
China.....25%

Nail Pullers—
Black Hawk, per dos.....net, $9
Curtiss Hammer.....₩ dos $9.00
Giant, No. 1.....₩ dos $18.00, 10%
Giant, No. 2.....₩ dos $15.00, 10%
Pelican.....₩ doz $9.00, 25%
Lightning.....₩ dos $18.00, 20%
Scranton's Improved.....25%

Nail Sets—
Square.....₩ gr. $4.00@$4.25
Round.....₩ gr. $3.25
Buck Bros.....27½%
Einwachters.....60&10%
Cannon's Diam'd Point ₩ gr.$12, 20%
Humason's.....50&10%
Dunlap's.....20%
Wm. Johnson's Round, Square and Octagon.....50%

Nut Crackers—
Blake's Pattern, ₩ dos., $2.00, 15@20%
Turner & Seymour Mfg. Co.....50%

Nuts—
Nuts, off list Dec 18, 1889: Sq. Hex.

	Sq.	Hex.
Hot Pressed	5.50c	6.10c
Cold Punched	5.10c	5.30c
Cold Pressed C. & T.	4.50c	

In packages of 100 ℔. add 1-10c ₩ ℔ net; in packages less than 100 ℔. add ½c ₩ ℔, net.
Tapped.....25%

Oilers—
Zinc and Tin.....60&10&10%
Brass and Copper.....50&10%
Malleable, Hammers, Improved.10%
Malleable, Hammers, Old Pattern, same list.....45%
"Perfect" Pocket Oilers, 25c. ₩ doz.....$1.85
Prior's Pat. or "Paragon" Zinc, 60&10%
Prior's Pat. or "Paragon Brass...50%
Steel, Draper and Williams.....50%
Tower & Lyon Bicycle.....25%
Wilmot & Hobbs Mfg. Co.'s Steel Anti-Rust.....60%
"Star" Oilers.....₩ doz. 85c

Oil Stones, etc.—
SCYTHE STONES—
Pikes:
Indian Pond Red End, Extra ₩ gross.....$7.50
Indian Pond Red End, No. 1, ₩ gross.....7.00
Indian Pond Red End, No 2, ₩ gross.....5.00
Black Diamond, No. 1.....12.00
" No. 2.....8.00
Genuine Lamoille.....11.00
Genuine Ragg, 10 inch.....12.00
" 9 " 10.00
" No. 2.....5.00
Discount 33⅓%

OIL STONES—
Pikes Washita:
Lily White.....60
Rosy Red.....60
Extra Green Paper Wrapper, ₩ ℔.....50
No. 1.....40
No. 2.....30
Pike's Washita Round Edge Slips: 3 to bx1¾ to 2¾ to ⅝ at back, ⅓ to 5-16 edge ₩ ℔:
Lily White.....90
Rosy Red.....90
Extra, same sizes as above.....80
No 1.....70
No. 2.....40
Penknife Pieces, 3 to 5 x 1 to 1¼x¼ to ⅝ ₩ ℔..... .70
Discount 33⅓%.
Pike's Washita Mounted:
8x2, ₩ dos.....$12.00
6x2, " 10.00
4x1½ " 7.00
Discount 33⅓&10%.
Pike's Washita Axe Stones:
About 2x2x¾ to 1½, ₩ ℔..... .35
" 2x2x½, extra selected.. .40
Discount 33⅓%.
Pike's Arkansas:
No. 1, 3 to 5½x1¾ to 2x¾ to 1, ₩ ℔..... 2.80
No. 1. 5½ to 8x1¾ to 2x¾ to 1, ₩ ℔..... 3.50
No. 1, 3 to 12x1¾ to 2¼x¾ to 1¼, ₩ ℔..... 4.00
Pike's Penknife Pieces
No. 1, 3 to 4⅝x1 to 1¼x⅛ to ⅝ ₩ ℔..... 4.0

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No. 2, assorted sizes, ₩ D..... 2.00
Discount 33⅓&5%.
Pike's Soft Arkansas:
Assortment A, ₩ D..... 1.50
" B, " 1.70
" C, " 1.90
No. 1 Small Slips, " 3.00
Penknife Pieces, No. 1 " 2.50
" No. 2 " 1.50
Discount 33⅓&5%.
Pike's Hindostan Water and Oil Stone:
No. 1, about 8x2x¾ to 1¼, ₩ D .08
Washita Finish, about 8x2x¾ to 1¼, ₩ D..... .10
Round Edge Slips, about 6x1½ to 2x¼ to ¾ back x ⅛ to ¼ edge, ₩ D..... .20
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ D..... .12
Plain Slips, about 6x1¾ to 2x⅝ to ⅝, ₩ gross..... 8.00
Penknife Pieces, about 3½x1¼ x¼ to ⅛, ₩ gross..... .30
Pike's Axe stones:
Large Axe, about 4x2x¾ to 1¼ ₩ D..... .08
Small Axe, about 3x2x½ to 1 ₩ D..... .10
Special Axe, 2¾x1½x½ ₩ D... .18
Pike's Sandstones:
Small, 8x1¾x1¼, weight about 1 lb, ₩ D..... .05
Medium, 8 to 8½x2x1¼, weight about 1½ lb, ₩ D..... .05
Large, 8¼ to 9x2½x2, weight about 2 lb. ₩ D..... .05
Small table, 9 to 9½x2½x2, weight about 4 lb, ₩ D..... .05
Large Table, 10x4x3 " ..... .06
Pike's Turkey Stone:
No. 1, assorted, from 4 to 8 ₩ D .30
No. 2, " ₩ D..... .40
Round Edge Slips, No 1, ₩ D. 2.00
Discounts 33⅓&5%.

Openers—
See Can Openers.

Packing, Steam—
RUBBER—
Boston Belting Co.:
" Boston "..... 60%
" Excelsior " Self-Vulcanizing, per lb 70c..... 40%
Boston " Phœnix " Red Sheet, per lb..... 50c.net
N. Y. B. & P. Co., Standard..... 50%
N. Y. B. & P. Co., Empire..... 60%
N. Y. B. & P. Co., Salamander... 25%
N. Y. B. & P. Co., 1846-Para.... 40&10%
N.Y.B. & P.Co., Double Diamond. 60%
N. Y. B. & P. Co., Carbon..... 60&10%
Standard..... 60&10%
Extra..... 50&10%
Cleve. Rubber Co., Buckeye..... 75%
Cleve. Rubber Co., High Grade.. 60%
Cleve. Rub. Co., Warranted 2XL. 50%
Jenkins' Standard....₩ D 30c. 25&5%
MISCELLANEOUS—
American Packing.....10c@11c ₩ D
Russian Packing..... 14c ₩ D
Italian Packing.....13c@14c ₩ D
Cotton Packing.....15c@17c ₩ D
Jute.....7c@8c ₩ D

Padlocks—
See Locks.

Parers—
APPLE—
Advance.....₩ doz $4.75
Baldwin.....₩ doz 5.25
Bonanza.....₩ doz 5.00
Daisy.....₩ doz 4.00
Dandy.....₩ doz 7.50
Eureka, 1868.....each 16.00
Family Bay State.....₩ doz 12.00
Favorite.....₩ doz 5.00
Ideal.....₩ poz 4.00
Improved Bay State.₩ ds..$27@30.00
Little Star.....₩ doz 4.50
Monarch.....₩ doz 13.50
New Lightning.....₩ doz 5.50
Penn.....₩ doz 4.00
Perfection.....₩ doz 4.00
Pomona.....₩ doz 4.00
Rocking Table.....₩ doz 6.00
Turntable.....₩ doz 4.50
Waverly.....₩ doz 4.00
White Mountain.....₩ doz 4.00
79.....₩ doz 4.25
78.....₩ doz 7.00
Oriole, ₩ doz $5.00..... 20&10%
Victor, ₩ doz $15.00..... 20%
Gold Medal ₩ doz $3.50 net.
Scott's Pat. Rotary, ₩ doz $15.00, 20%
POTATO—
White Mountain.....₩ doz $4.50
Antrim Combination....₩ doz 5.50
Hoosier.....₩ doz 13.50
Saratoga.....₩ doz 5.50

Pencils—
Faber's Carpenters'.....high list 50%
Faber's Round Gilt.....₩ gro $5.25
Dixon's Lead.....₩ gro 4.50
Dixon's Mascot, Round..₩ gro.$3.10
Dixon's Mascot, Hexagon.₩ gro. 3.38
Dixon's Lumber.....₩ gro 6.87
Dixon's Carpenters'.₩ gr. $4.00@7.50
Dixon's Carpenter, Yellow or Brown Lead.....₩ ro. 9.00

Picks—
Railroad or Adze Eye, 5 to 6, $12.00; 6 to 7, $13.00.....60@60&10&5%

Picture Nails—
See Nails, Picture.

Planes and Plane Irons—
WOOD PLANES—
Molding.....50%
Bench, First Quality.....55%
Bench, Second Quality.....60%
Bailey's (Stanley R. & L. Co.)....40%
C. E. Jennings & Co.....50&10%
U. S. Ship.....45%
U. S. Grooving.....40%
Fales Bench.....20%
IRON PLANES—
Stanley Rule & Level Co.:
Bailey's.....40%
Victor.....30%
Miscellaneous.....25%
Steer's Iron Planes.....40@40&10%
Meriden Mal. Iron Co.'s..40@40&10%
Davis's Iron Planes.....40@40&10%
Gage Tool Co.'s Self-Setting..20&10%
Chaplin's Iron Planes.....40@40&10%
Sargent's.....40&10%
Standard Tool Co.....50@50&5%
Siegley's Comb'ation ₩ doz $5.50 net.
PLANE IRONS—
Butcher's.....$5.00@$5.35 to £
Buck Bros.....30%
Auburn "Thistle".....
Ohio.....
Sandusky.....
S. & I. J. White.....35%
Stanley Rule & Level Co.....50%
C. E. Jennings & Co.....25&10%
Hinsdale.....20&10%

Pliers and Nippers—
Hall's Drop Forged Pliers.....33⅓&5
Hall's X American Pliers.....33%
Hall's Side Cutting Pliers.....30%
Hall's Nippers.....30%
Button's Patent.....50%
Humason & Beckley Mfg. Co.50@50 &10%
Gas Pliers.....60%
Eureka Pliers and Nippers.....40%
P. S. & W. Cast Steel.....50%
P. S. & W. Tinners' Cutting Nippers.....add 6% dis. 10%
Carew's Pat. Wire Cutters.....20%
Swiss Pliers.....25%
Stubs'.....20%
Morrill's Parallel, ₩ doz $12.00 30&5%
Cronk's 8 in., $15; 10 in $20.00.....50%
But. Pat., 8 in. $7.50; 10 in. $10.50
Carrier, 6 in. $5.90; 8 in. $6.00; 10 in. $9.00.
Upson Nut Co. Solid Steel 5¼ in. ₩ doz. $2.00; 6¼ in. ₩ doz. $2.25
Wm. Johnson's Gas Pliers.....66⅔%

Plumbs and Levels—
Millers Falls.....33⅓%
Stratton's Nos. 1, 10, 11, 12.....25%
Stratton's Nos. 2 to 8.....50%
Cook's.....40&10%
Stanley's.....75%
Regular List.....75%
Disston's.....50%
Pocket Levels.....70%
Davis' Iron Levels.....20&10%
Davis' Inclinometers.....10&10%
Wood's Extension Sight.....30%
Plumb Bobs.....40%
Wm. Johnson's.....75%

Poachers—
See Egg Poachers.

Police Goods—
Tower & Lyon's.....25%
R. I. Tool Co., Handcuffs, $15.00 ₩ doz.....10%
R. I. Tool Co., Leg Irons, $25.00 ₩ doz.....10%
J. P. Lovell's Police Goods.....25%

Polish, Metal—
Prestoline.....20&10%
Prestoline Paste.....33⅓%

Polish, Stove—
Joseph Dixon's.....₩ gro $6.00, 10%
Gem.....₩ gro $4.50, 10%
Lustro.....₩ gro $4.75
Rising Sun, 5 gro lots.....₩ gro $5.50
Dixon's Plumbago..₩100 lb $6.50 @$10.00

Poppers, Corn—
Round or Sq., 1 qt. ₩ gr $10.00@$10.50
Round or Sq., 1½ qt. ₩ gr $15@$15.50
Round or Sq., 2 qt. ₩ gr $18.50@$19.00

Potato Parers—
See Parers.

Powder—
See Ammunition

Presses—
See Fruit and Jelly Presses.

Pruning Hooks and Shears—
Disston's Combined Pruning Hook and Saw.....₩ doz $18.00, 25%
Disston's Pruning Hook.....₩ doz $12.00, 25&5%
Seymour Smith & Son's.....₩ doz $3.75@4.00 net
Seymour Smith & Son's, Rockdale. 10%
E. S. Lee & Co.'s Pruning Tools.40%.
Pruning Shears, Henry's Pat. ₩ doz.....$3.75@4.00 net
Henry's Pruning Shears ₩ doz $4.25@4.50 net
Wheeler, M. & C. Co.'s Combination.....₩ doz $12.00, 20%
Dunlap's Saw and Chisel....₩ doz $8.50, 30%
J. Mallinson & Co., No. 1, $5.25; No. 2, $7.25
P. S. & W. Co. 60%
Levin Pruner, No. 1, $15.00 ₩ doz. 40&3%
Levin Pruner, No. 2, $21.00 ₩ doz. 40&3%

Pulleys—
Axle.....60%
Dumb Waiter.....60%
Ceiling.....60&10%
Hot House.....66⅔%
Upright.....60&10&10%
Screw.....60&10&10%
Clothes Line.....55@60&10%
Awning.....60&10&10%
Empire Sash Pulley.....60%
Common Sense.....60%
Moore's Sash, Anti-Friction.....55%
Hay Fork, Solid Eye, $4.00; Swivel, $4.50.....50&10@50&10&5%
Hay Fork, "Anti-Friction," 5 in Solid, $5.75.....50%
Shade Rack.....45%
Tackle Blocks' List, May 20, 1889. 50&10@65%
Moore's Anti-Friction 5 in. Wheel, ₩ doz $12.00..... 40%

Pumps—
Cistern, Douglas and Best Makers 60@60&10%
Pitcher Spout, Douglas and Best Makers.....60@70%
Pitcher Spout, Cheaper Goods. 70@70&5%
F. E. Myers & Bro.:
No. 1, Fig. 338, 3 in. Shallow Well Pump..... $13.00
No. 8, Fig 328, 3½ in. Shallow Well Pump..... $15.00
No. 5, Fig 307, 3 in. Deep Well Pump..... $15.00
No. 6½, Fig. 507, 3½ in. Deep Well Pump..... $17 00
No. 14. Fig. 521, 3 in. Deep or Shallow Well Pump..... $15.00
No. 32, Fig. 523, 3 in Deep Well Pump..... $17.00
No. 56, Fig. 331, 3 in. Shallow Well Pump..... $14.00
No. 59, Fig. 332, 3½ in. Shallow Well Pump..... $17.00
No. 70 Fig. 333. 2½ in Deep Well Pump..... $15.00
No. 72, Fig 333, 3 in. Deep Well Pump..... $15 00
No. 73, Fig 333, 3½ in. Deep Well Pump..... $16.00
No. 102, Fig. 448, 3 in. Lift Pump..... $10.00
No 118, Fig. 448, 3½ in. Lift Pump..... $12.00
No 128, Fig. 510, 3 in. Lift Pump..... $7.00
No 131 Fig. 510, 3½ in. Lift Pump..... $8.00
No. 225, Fig. 389, Windmill Pump..... $12.50
No. 230, Fig. 402, Windmill Pump..... $13.50
No. 235, Fig. 403, Windmill Pump..... $14.50
No. 240, Fig. 403, Regulator Pump..... $20 00
No. 280 Fig. 4 4, Imperial Cyclone Pump..... $18 00
No. 285, Fig. 5 2, Cyclone Tank Force Pump..... $ 7 00
No. 287, Fig. 488, Geyser Tank Force Pump..... $ 7.00
No. 288, Fig 518, Low Down Tank Force Pump..... $16 00
No. 3 2, Fig. 477, Spray Pump complete..... $11.50
No. 320 Fig. 492, Bucket Spray Pump..... $5.50
No. 33 , Fig 547, Knapsack Spray Pump..... $1 .00
Discount 50% F. O. B. Ashland.

Punches—
Saddlers' or Drive, good ₩ doz., 90@65%
Bemis & Call Co.'s Cast Steel Drive, 50@5%
Spring, good quality, ₩ doz $2.50@2.60
Spring, Leach's Pat..... 15%
Bemis & Call Co.'s Springfield Socket..... 65
Bemis & Call Co.'s Spring and Check..... 50%
Solid Tinners', P. S. & W. Co. ₩ doz..... $1.44, 55%
Tinners' Hollow Punches, P. S & W. Co..... 20&2%
Rice Hand Punches..... 15%
Avery's Revolving..... 40%
Avery's Saw-Set and Punch. See Saw Sets.
Rand's Centering Marking Tool, 3 doz lots..... 33⅓%
Lesser quantities..... 25%
Niagara Hollow..... 30%
Niagara Solid..... 55%

Rail—
Sliding Door, Wr't Brass, ₩ D 35c 25%
Sliding Door, Bronzed Wr't Iron.. ₩ ft. 7c
Sliding Door, Iron, Painted, ₩ ft 4c 40%
Barn Door, Light, In. ½ ⅝ ¾
Per 100 feet..... $3.00 2.50 3.10, 10%
Lundy Parlor Door, ₩ ft..... 7c
B. D. for N. E. Hangers:
Small. Med. Large
Per 100 feet..$2.15 2.70 3.35...net
Terry's Steel Rail, ₩ foot..... 4½c
Victor Track Rail, 7c ₩ foot...50&2%
Carrier Steel Rail, ₩ foot..... 4½c
Moore's Wrought Steel..... 25&10%

Rakes—
Cast Steel, Association goods..... 70%
Cast Steel, outside goods..... 70&5%
Malleable..... 70@70&5%
Oneida Lawn.....$6.00 doz., net
Gibbs' Lawn Rake..net ₩ doz. $4.90
Gibbs' Canton Lawn Rake net ₩ doz $3.75
Gibbs' Favorite.....net ₩ doz $3.90
Gibbs' Acme.....net ₩ doz. $4.75
Gibbs' Crown, No. 1. net ₩ doz. $4.90
Gibbs' Crown, No. 3. net ₩ doz. $5.30
Gibbs' Hustler, No. 0 net ₩ doz. $4.25
Gibbs' Hustler, No. 1. net ₩ doz. $4 40
Ft. Madison Prize Bow Brace and Peerless..... 65%
Fort Madison Steel Tooth Lawn Rake, $6.00..... 25%
Dunlap's Hoe Rakes:
Nos. 1 2 3 4
Per doz $1.40 1.50 1.80 2.25..30%
Boys' rakes.....₩ doz $3.50
Ladies' rakes, ₩ doz, No. 1, $2.00; No. 2, $2.50. 25%
Duval's Wood, ₩ doz
Hay, 10 teeth, No. 1, $1.10; No. 2 $1.70; No. 3, $1.40; No Brand, $1.1
Hay 12 teeth..... $2.40; No. 2 $3.10
Lawn, 23 teeth, $3.15; 24 teeth, $3.15
Sawdust..... $1.50
Gibbs' Garden:
Hoes, No. 14.....net ₩ doz. $2.95
Hoes, No. 18.....net ₩ doz. $3.10

Razors—
J. R. Torrey Razor Co..... 20%
Wostenholm and Butcher, $10.00 to £.....net
Jordan's AAAI, list Nov. 1, 1889..50%
Jordan's Old Faithful, list Nov. 1, 1889..... 50%
Electric.....List net
Campbell's Celebrated Warranted..... 50%

Refrigerator Hardware—
Francis Keil & Son..... 50%

Rings—
See Bull and Hog Rings.

Rivets and Burrs—
Iron list Nov. 17, 1887..... 60&10%
Copper..... 50@10%
Coopers..... 60&10%
Block..... 60&10%
Carriage..... 60&10%
Hame..... 60&10%
Belt "Bettina" with Burrs....50&5%
Burrs..... 60&10%
American Screw Co.:
Bay State Rivets ¾c. ₩ D less than Norway Rivets.
Belt with Burrs..... 60&10%

Rivet Sets—
Regular list..... 55&60%

Rods—
Stair, Brass..... 30%
Stair, Black Walnut.....₩ doz 40c

Rollers—
Barn Door, Sargent's list. 60&10&10%
Moore's Acme Barn Door..... 55%
Moore's Adjustable Stay..... 55%
Union Barn Door Roller..... 70%

Rope
De Grauw, Aymar & Co., Nos. 34 and 35 South Street, New York:
Manilla, 7-16 and larger. ₩ D 7¾c
Manilla, ⅜ ₩ D 8¼c
Manilla, ¼ and 5-16..... ₩ D 8¾c
Sisal, 7-16 and larger..... ₩ D 5¼c
Sisal, ⅜ ₩ D 6¼c
Sisal, ¼ and 5-16..... ₩ D 6¾c
Sisal Lath Yarn, medium ₩ D 5¼c
Cotton Rope..... ₩ D 16 to 19c
Discount to the trade.
Manufacturers' Prices:
Ma'la, 7-16in. & larg'r ₩ D 7 c
Manila..... ⅜in ₩ D 7¾c
Manila, ¼ and 5-16 in ₩ D 8 c
Manila Hay Rope... ₩ D 8 c
Sisal, 7-16 in. & larger ₩ D 5 c
Sisal..... ⅜ in ₩ D 6 c
Sisal...¼ and 5-16 in ₩ D 5½c
Sisal, Hay Rope..... ₩ D 5½c
Sisal, Med. L'the Y'rn ₩ D 5 c
Cotton Rope..... ₩ D 11@13c net
Jute Rope..... ₩ D 5@6c net
(1½% for cash in 10 days.)

Rules—
Boxwood..... 30%
Ivory..... 50%
Miscellaneous, Stanley's..... 60%
Starrett's Rules and Straight Edges, Steel..... 25&10%

Sad Irons—
From 4 to 10 at factory....₩ 100 lb $2.50@$2.75
Self-heating.....₩ doz $8.00 net.
Self-heating, Tallors' ₩ doz $18.00 net
Gleason's Shield and Toilet..... 30%
Enterprise Star Irons..... 30%
Chinese Laundry:
New England Butt Co.....8½c, 15%
New England..... 5c, 15%
Mahony's Troy Pol. Irons..... 15%
Sensible..... 20%
National Self-heating..... 25%
Enterprise Mfg. Co. of Pa.:
Mrs Potts' Sad Irons:
No. 50, ₩ set.....$ .75 net.
No. 55, ₩ set..... .70 net.
No. 60, ₩ set..... .80 net.
No. 65, ₩ set..... .76 net.
Outfits, No 550, each..... 2.60 net.
Outfits, No. 555, each..... 2.45 net.
Colebrookdale Iron Co.:
Crown Sad Irons, No. 230, per dozen, net..... $8.40
Crown Sad Irons, No. 235, per dozen, net..... $9.00
Chinese Laundry, net ₩ lb.... .06

Sand and Emery Paper and Cloth—
Baeder, Adamson & Co.'s:
Sand and Emery Paper..... 50&5%
Emery Cloth..... 50&5%
Garnet Paper..... 30&5%

Sash Chain—
Giant..... 40%
Monarch..... 50%
Red Metal..... 40&10&10%
Steel..... 40&10&10%
Morton's:
Champion Metal..... 25%
Steel Cable..... 25%

Sash Cord—
Common.....₩ lb 10@11 c
Jute, good quality.....₩ lb 11c
White Cotton Braided, fair.₩ lb 25c
Common Russia Sash.....₩ lb 16c
Patent Russia Sash..... ₩ lb 15c
Cable Laid Italian Sash ₩ lb 22½c@25c
India Cable Laid Sash.....₩ lb 14c
Silver Lake:
A Quality, White..... 30%
A Quality, Drab..... 25%
B Quality, White..... 40%
B Quality, Drab..... 30&10%

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C Quality, White (only) 24½c @ 28c
Sylvan Spring
Extra Braided White.....35c
Extra Braided Drab.....37½c
No. 4 Braided White, $2.00..10&10%
No. 4 Braided Drab, $2.00...10&10%
No. 4 Braided Colors, $2.50..10&10%
Semper Idem, Braided White....27c
Samson:
"Mass." White, Cotton.....27c
"Samson" White, Cotton.....35c
"Samson" Drab, Cotton.....42c
"Samson" Italian Hemp.....40c
"Samson" Linen.....55c
Sash Fasteners, Holders, &c.—
Sash Lifts.....60&10&10%
Sash Lifts With Lock.....60%
Sash Lifts Flush.....60&10%
Shutter Bars.....60&10@75&10%
Sash Rollers.....66⅔%
Shutter Sheaves.....60%
Window Screen Sash Lifts.....66⅔%
Motley's Holder, on gross lots, medium size.....₱ doz. $1.20. 40%
Sash Locks—
Clark's, No. 1, $10; No. 2, $8; ₱ gro. 33⅓%
Ferguson's.....33⅓%
Reading.....75&10%
Hammond's Window Springs....40%
Common Sense, Jap'd, Cop'd, and Br'sed.....₱ gr $4.00
Common Sense, Nick. P't'd ₱ gr $10.00
Chambers' Gravity.....60%
Kempshall's Gravity.....60%
Kempshall's Model.....60@60&10%
Corbin's Daisy, list Feb. 15, '86. 70&10%
Payson's Perfect.....60&10%
Hugunin's Sash Balances...25&5&2½
Hugunin's New Sash Locks.25&5&2½
Stoddard "Practical".....10%
Ives' Patent.....60&10%
Davis, Bronze, Barnes Mfg. Co...50%
Champion Safety, list Mar. 1, 1888, 60&10&10%
Security.....70%
Sash Weights—
Solid Eyes.....₱ ton $22.50
Sausage Stuffers or Fillers—
Draw Cut, No. 4, each $30.00.....25%
Enterprise Mfg. Co.....25%
Silver's.....40&10%
Saws—
Disston's Gang.....45%
Disston's Circular.....45%
Disston's Cross Cuts.....40%
Disston's Panel, Hand & Rip.....25%
American Saw Co.'s:
Solid Circular.....40%
Perforated Circular.....20%
Gang, Drag & Mill.....40%
X Cuts, Regular Back..35c. ₱ foot
X Cuts, Perforated.....30c. ₱ foot
W. & McP. Hand.....25%
W. & McP. Champion X Cuts. Thin Back.....45&10%
W. & McP. Champion X Cuts. Extra Thin Back.....45&10%
W. M. & C., Hand.....30%
W. M. & C., Champion X Cuts. Thin Back.....45&10%
W. M. & C., X Cuts Extra Thin Back.....45&10%
C. E. Jennings & Co.'s Hand Panel Rip and other Saws.....25%
Peace Circular and Mill.....45%
Peace Hand Panel and Rip.....25%
Peace Cross Cuts, Stand'd....45&10%
Peace Cross Cuts, Thin Back. 45&10%
Richardson Circular and Mill....45%
Richardson X Cuts.....45%
Richardson Hand-saws.....25%
Haines' Needle Point.....40%
Atkin's Circular.....50&10%
Atkin's Band.....50&10%
Atkin's Cross Cut.....40%
Atkin's Wood.....40%
Atkin's Hand.....40%
Atkin's Butcher, Pruning and Compass.....40%
Star Saw Blades.....25%
Star Bracket.....25%
HACK SAWS—
Griffin's complete.....45%
Griffin's Hack Saw and Blades...45%
Chatillon.....30%
Butchers.....25%
Star Butcher.....25%
Saw Frames—
Star Hack.....25%
White Vermont..₱ gro. $9.50@$10.00
Red, Polished and Varnished...₱ doz., $2.00 40%
C. E. Jennings & Co.....20%
Richardson's Wood.....net
Wm. Johnson's Turning Cabinet. 40%
Saw Sets—
Stillman's Lever, Nos. 40, 45.....55%
Common Lever ₱ doz., $2.00, 40&10%
Morrill's No. 1, $15.00; No. 10, $13.50; No. 11, $16.00.....40&20%
Morrill's Cross-cuts Nos. 3 and 4, $22.00; No. 5 $21.00.....40&20%
Perfect Saw Jointer.....33⅓%
Leech's No. 0, $5.00; No. 1, $8.00 net
Cunningham Band.....15%
Automatic.....25%
Nash's.....20&10@20&10&10%
Hammer, Seymour Smith & Son, $5.50, 10%
Hammer, Bemis & Call Co.'s new Pat.....45%
Bemis & Call Co.'s Spring Hammer.....20&5%
Bemis & Call Co.'s Plate.....20%
Bemis & Call Co.'s Cross Cut..20&5%
Atkin's Excelsior Saw Tools ₱ doz. $6.00
Atkin's Criterion Saw Sets ₱ d z. $6.00
Hart's Pat. Lever.....20%
Disston's Star, $9.00, No. 15, $5.50. 25%
Richardson's.....25%
Croissant (Keller), No. 1, $15.00; No. 2, $24.00.....40&10%
Avery's Saw Set and Punch.....50%
F. E. Kohler & Co.'s "Royal" ₱ doz $7.00
F. E. Kohler & Co.'s "Giant Royal".....₱ doz. $12.00
Lloyd Acme....₱ doz., $15.00, 40&10%
Leopold.....₱ doz., $15.00, 5m
King's.....33⅓%
Keller's.....40&10%
Wm. Johnson's:
Hammer.....60&5%
Lever, 3 kinds.....45%
Wheeler's Patent.....60%
Scales—
Union Platform Plain...$2.10@$2.20
Union Platform Striped. $2.30@$2.20
Chatillon's Grocers' Trip Scales..40%
Chatillon's Eureka.....30%
Chatillon's Favorite.....40%
Family, Turnbull's....33⅓@33⅓&5%
Riehle Bros.' Platform.....40%
Brittan, Graham & Mathes.....50%
Scale Beams—
Scale Beams, List Jan. 12, '93..50& 10@50&10&5%
Chatillon's No. 1.....40%
Chatillon's No. 2.....40%
Scrapers, &c.
Adjustable Box Scraper (S. R. & L. Co.) $6.50.....30&10%
Box, 1 Handle.....₱ doz., $4.00, 10%
Box, 2 Handle.....₱ doz., $6.00, 10%
Defiance Box & Ship.....30&10%
Foot.....50&10@60%
Ship Common.....₱ doz., $3.50 net
Ship, R. I. Tool. Co.....10%
Screens—
Phillips:
Bonanza Screens.....60%
Perfection Screens.....6 %
Extension.....50&10&5%
Flyer.....50&1%
Window Screen Frames.....60&5%
Screen Doors—
Phillips:
Stained.....50&10%
Painted.....50&5%
Fancy Pine.....15%
Empire Fancy.....30@35%
Standard Oil.....35@40%
Screw Drivers—
C. E. Jennings & Co.....40%
Einwachters "Challenge".....50%
Millers Falls Automatic.....25%
Millers Falls Ratchet.....25%
Millers Falls Duplex.....25%
Disston's.....50&5%
Disston's Pat. Excelsior.....50&5%
Buck Bros.....30%
C. T. Williamson Wire Novelty Co. 50%
Stanley R. & L. Co.'s:
Varnished Handles.....65%
Black Handles.....60%
Sargent & Co.'s:
No. 1 Forged Blade.....60&10%
Nos. 20, 40 and 60.....70%
French's Beech, Round.....70%
French's Beech, Flat.....75%
French's Ebony, Round.....60%
French's Ebony, Flat.....70%
N. E. Specialty Co.'s.....50%
Electric Spiral $18@$15 ₱ doz 33⅓&2%
Stearns'.....25&10&5%
Gay & Parsons.....30%
Champion.....33⅓%
Clark's Pat.....33⅓%
Ellrich's Socket and Ratchet....40%
Allard's Spiral, new list.....25%
Rapid Spiral.....33⅓%
Screw-Driver Bits....₱ doz., 70@85c
Screw-Driver Bits, Parr's ₱ gro. $6.25
Frary's Hol. Hdle. Sets, No. 3, $12, 25&10%
Hercules.....70%
P. D. & Co.'s all Steel.....50%
Brace Screw-Drivers.....25&10%
Buck Bros.' Screw-Drivers Bits..20%
Tower & Lyon:
"Handy" Ratchet.....25%
Champion.....33⅓%
Copeland.....25@25&10%
Brace.....33⅓%
Williamson's:
Gem, ₱ doz.....90c } 50%
Beauty, ₱ doz.....$1.00 }
Wm. Johnson's:
13¼ A.....70&10%
13½ Extra.....70%
13¾ Ebonized Handle.....70%
14 1½.....75%
14½ Ebonized Handle.....70%
Screws
WOOD SCREWS—List, Jan., 1891.
Flat Head Iron.....85%
Round Head Iron.....75%
Nickel Plated, Flat Head.....75%
Nickel Plated, Round Head....72½%
Silver Plated, Flat Head.....50%
Silver Plated, Round Head.....50%
Flat Head Brass.....8%
Round Head Brass.....75%
Flat Head Bronze.....80%
Round Head Bronze.....75%
Phosphor Bronze, Flat Head....60%
Phosphor Bronze, Round Head..55%
Rogers Drive Screws.....87½%
MACHINE—
Flat Head, Iron.....45%
Round Head, Iron.....40%
Brass, Flat Head.....45%
Brass, Round Head.....40%
BENCH, HAND, ETC.—
Bench, Iron.....70%
Bench, Wood, Beech. ₱ doz $2.00@2.25
Hand, Wood.....35%
Lag Blunt Point, list Jan. 1, 1890. 75&10%
Coach list Jan. 1, 1890.....80&5%
Bed.....20&25%
Hand Rail, Sargent's.....70%
Hand Rail, H. & B. Mfg. Co. 70&10@75%
Hand Rail, Am. Screw Co.....75%
Jack Screws, Millers Falls, Roller Bearing.....5 &10%
Jack Screws, Millers Falls without Roller Bearing.....6 %
Jack Screws, P. S. & W....33⅓&10%
Jack Screws, Sargent's.....70%
Jack Screws, Stearns'....40@40&10%
Piano Stool.....60&10%
Chair.....60&10%
Scroll Saws—
C. E. Jennings & Co.....25%
Lester, complete, $10.00.....25%
Rogers, complete, $4.00.....25%
Barnes' Builders' and Cabinet Makers', $15.....25%
Barnes Scroll Saw Blades.....35%
Scythes—
Grain.....40&5@40&10%
Grass.....40&10%
Sets—
See Awl and Tool Sets.
Shears—
Ætna, Steel Japanned.....80&20%
Ætna, Steel Nickeled.....70&20%
Davenport Cutlery Co.'s Pat Bolt. 60%
American (Cast) Iron.....75&10&5%
Hatch Cutlery Co. Solid Steel Forged.....60%
Barnard's Lamp Trim'rs. ₱ doz. $3.75
Tinners'.....20&2%
Seymour's List, Dec., 1881. 60&10@60&10&5%
Heinisch's List, Dec. 1881. 60&10@60&10&5%
Heinisch's Tailor's Shears.....33⅓%
Clauss' Brand, Nickel.....60%
Japanned.....70%
Pruning. See Pruning H'ks & Shears.
Campbell Cutlery Co.'s, Jap....75%
Nickel. 65%
Campbell Cutlery Co.'s Scissors.....List net
Sheaves—
SLIDING DOOR—
M. W. Co., list July, 1888. 50&10@60&5%
R. & E., list Dec. 18, 1885.....55&30%
Corbin's list.....60&10&2%
Patent Roller.....60&10&2%
Patent Roller, Hatfield's.....75%
Russell's Anti-Friction, list Dec. 18, 1885.....60&2%
Moore's Anti-Friction.....50%
Stearns' Sheaves.....60&10%
Hatfield Sheaves.....80%
SLIDING SHUTTER—
R. & E. Mfg. Co.'s.....60&10&5
Sargent's list.....60&10%
Reading list.....60&10&10%
Shells—
See Ammunition.
Shoes, Horse, Mule, &c.—
HORSE—
Burden's, Phœnix and Bryden's Bost. at factory.....$4.00
Bryden's Frog Pressure, at factory $5.00
Perkins Steel Side Weight Hind ₱ D 7½c
Perkins Improved Snow.....₱ D 4c
MULE—
Add $1 ₱ keg to above prices.
OX, WROUGHT—
Ton lots.....₱ D 9c
1000 D lots.....₱ D 9½c
500 D lots.....₱ D 10c
Shot—
See Ammunition.
Shovels and Spades—
Ames' Shovels, Spades, &c.....20%
[Note—Jobbers frequently give 5@7½% extra on above].
Griffith's Black Iron.....50&10
Griffith's C. S.....60@60&10%
Griffith's Solid C. S. R. R. Goods..20%
Old Colony (Sanford Fork & Tool Co).....35%
St. Louis Shovel Co.....20@10&7½%
Hussey, Binns & Co.....15@35%
Snow, Long Handle, ₱ doz. $6.25 25&30%
Snow, D Handle, ₱ doz., $7.25 25&30%
Hubbard & Co.....20&10%
Payne, Pettebone & Son, list Jan., 1886.....30%
Rowland's Black Iron.....60&5%
Rowland's Steel.....60&10&5%
Shovels and Tongs—
Iron Head.....65@65&5%
Brass Head.....65@65&5%
Sifters, Flour—
Shaker, Sidney Shepard & Co., ₱ doz. $2.00
Hunters.....₱ doz. $2.00
Snaps, Harness, &c.
Anchor (T. & S. Mfg. Co).....65%
Fitch's (Bristol).....50%
Hotchkiss.....10%
Andrews.....50%
Sargent's Patent Guard'd. 70, 10&10%
Sargent's Covered Spring....60&10%
Sargent's Open Spring.....70%
German.....40@40&10%
Shaw Patent Slide Lock.....60%
Cockeye.....70&10%
Covert's:
Triumph
Loop Eye
Round Eye
Open Eye
Loop Eye, Swivel
Round Eye, Swivel
Roller Eye for Breast Snaps. } 33⅓%
Double for Bits or Trace Carrier
Swivel Eye Satchel Snaps
Neck Yokes
Neck Yoke Centres
Banner Bolt Snaps
Spoke Shaves—
Iron.....45%
Wood.....30%
Bailey's (Stanley R. & L. Co.)....50%
Seymour Smith & Sons, Iron.....30%
Stearns'.....30&10%
Millers Falls.....25%
Wm. Johnson's:
Wood, 1st.....30%
Wood, 2nd Quality.....3½%
Spoons and Forks—
TINNED IRON—
Basting, Cen. Stamp. Co's list. 70&10%
Solid Table and Tea, Cen. Stamp. Co.'s list.....70&10%
Buffalo S. S. & Co.....33⅓&2%
B. B. Noyes Meat Forks..50&10@60%
SILVER PLATED—
4 mos. or 5% cash 30 days.
Meriden Brit. Co. Rogers Bros. 40&15%
Rogers & Bro.....40&15%
Wm. Rogers Mfg. Co.....40&15&5%
Simpson, Hall, Miller & Co. 40&15&5%
C. Rogers & Bros.....40&15&5%
Holmes & Edwards Silver Co. 40 &15&10&10
L. Boardman & Son.....50&15%
MISCELLANEOUS—
German Silver.....50@50&5%
German Silver, Hall & Elton..50& 5% cash
German Silver, Rogers.....60%
Wm. Rogers Mfg. Co., Rogers Silver Metal.....50&10&5%
Rogers.....40&10&5%
Nickel Silver...50&5@50&10&5% cash
Britannia.....60%
Boardman's Nickel Silver....60&7½ & 5% cash
Boardman's Britannia Spoons, case lots.....60&5% cash
Springs—
See Door Springs.
Squares—
Steel and Iron.....
Nickel-Plated..... } 60%
Try Square and T Bevels. 60&10@ 60&10&10%
Disston Try Square and T Bevels, 50%
Winterbottom's Try Mitre...20&10%
Montgomery's Try Mitre...$3.75 net
Starrett's Micrometer Caliper Squares.....35&10%
Avery's Flush Bevel Squares.....40%
Avery's Bevel Protractor.....50%
Brown & Sharpe.....20@25%
Staples—
Grand Crossing Tack Co. List: 75&10%
Sargent's Wrought Iron:
Staples.....80&25&10%
Extra Heavy.....80%
Hooks and Staples.....80&25&10%
Extra Heavy.....80%
Hasps and Staples.....80&25&10%
Extra Heavy.....80%
Staples on Plates.....80&25&10%
Wagon Bow Staples....80&25&10%
Square Crown Carpet—papers....75%
Square Crown Carpet—bulk...75&10%
Barrel.....75&10%
Box and Casket.....75&10%
Barbed Blind—boxes.....75&10%
Barbed Blind—bulk.....75&10&5%
Round Wire Round Crown....66⅔%
Barbed Bed Spring Staples...75&10%
Chisel-Pointed Barbed.....75&10%
Poultry Netting.....60&10%
Norway Iron Clinch.....60&10%
Stocks and Dies—
Blacksmith's:
Waterford Goods.....25%
Butterfield's Goods.....25%
Lightning Screw Plate.....30@25%
Reece's New Screw Plates.....25%
Reversible Ratchet.....30%
Gardner.....25%
Wells Bros. & Co.....25%
Schlenker's Die Bolt Cutter.....15%
Stones—
See Oilstones.
Stops—
See Bench Stops.
Stove Polish—
See Polish, Stoves.
Strops—
See Razor Strops.
Sweepers—
See Carpet Sweepers.
Tackle Blocks—
See Blocks.
Tacks, Brads, &c.—
An extra discount of 25&2% is given on all tacks under the list of October 19, 1889.
Atlas List Oct. 19, 1889:
Plymouth Rock Carpet:
Best Steel, Blued or Bright, 2 oz. papers ₱ box.....$2.25
Best Steel, Blued or Bright, 4 oz. papers, ₱ box.....$4.25
Best Steel, Tinned or Coppered, 2 oz. papers, ₱ box.....$2.75
Best Steel, Tinned or Coppered, 4 oz. papers, ₱ box.....$5.15
Atlas "Home" Tacks:
No. 50, ₱ carton.....$2.00 } 50%
No. 50, ₱ case.....35.00 }
No. 100, ₱ carton.....6.00 }
No. 100, ₱ case.....72.00 }
CARPET TACKS—
Manufacturers' List Oct. 19, 1889.
Am. Iron, Blued.....60%
Am. Iron, Tinned or Cop'd.....65%
Steel, all kinds.....60%
Swedes Iron, Blued.....55%
Swedes Iron, Tinned or Cop'd....55%
Am. Iron Cut Tacks.....55%
Swedes Iron Upholst'rs' Tacks, S. S.....60%
Gimp and Lace Tacks, Lanc. Swedes Iron.....60%

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Gimp and Lace Tacks, Lanc, Swedes Iron, Tinned.....50%
Gimp and Lace Tacks, S.S.....55%
Gimp and Lace Tacks, Tinned, S. S.....55%
Swedes Iron Basket or Trimmers' Tacks, Lanc.....50%
Swedes Saddlery Tacks, Jayeye-see brand.....50%
Claw Handle Carpet:
Bright or Blued.....₩ gro $1.00
Tinned or Coppered....₩ gro $1.25
Bonnie Blue Tacks, ₩ case.....$1.5
Parisian Gilt Nails, ₩ carton....50c
Bill Nye Brad, ₩ box..... ...$4.00
Miners' Tacks, S. S.....75%
Copper Tacks.....50&10%
Cigar Box Nails.....40%
Zinc Glaziers' Points.....25%
Picture-Frame Points.....25%
Looking-Glass Tacks.....15%
Brush Tacks.....50%
Finishing Nails.....50%
Trunk & Clout Nails, Black and Tinned.....60%
Common and Patent Brads....66⅔%
Hungarian Nails.....50%
Basket Nails.....50%
Chair Nails.....50%
Leathered Carpet Tacks.....5%

MISCELLANEOUS—
Double Pointed, Blued and Tinned, in Papers.....85&10%
Double Pointed, Blued and Tinned in Bulk.....7%
Double Pointed Shade Tacks.85&10%
Steel Cut Tacks.....7½%

Tack Pullers—
Columbia, No. 1, per doz., net....$1
" " 2, " " .. 1.50

Tape—
American Screw Co.
Machine Screw.....60%
Hand and Machine.....50&10%
Pipe.....80%
Blacksmiths' Taper.....50&10%

Thermometers—
Dairy, Floating all glass ₩ doz.$1.50
Dairy, Zinc Flanged.....80&10%
Fancy.....70%
Japanned Case..... 80&10%
Combination with Barometer ₩ gro.....$20.00

Tinners' Shears, &c—
Shears and Snips (P. S. & W.).20&2%
Snips, J. Mallinson & Co.....33⅓%
Snips—"Clauss".....80%

Tinware—
Stamped, Japanned and Pieced, list Jan. 20, 1897..70&10@70&10&10%

Trammel Points—
Cook's.....25%
Rule.....20&10%
Stanley's.....30&10%
Tower & Lyon.....33⅓%
Jennings "Eureka".....25%

Tracks, &c.
F. E. Myers & Bro.:
Rev. Car, Double Steel Track $3 50
Comb. Car., Double Steel T...$3.50
Sing e rail Car, Single Steel T.$3 50
Rev. Car., Wo d Track.....$3.25
Comb., Car., Wood Track....$3.25
New Myers Iron Rod Car.....$2.75
New Departure Sling Complete. Steel or Wo d Track, (includes four sling ropes). $12.00
Sure Grip Sling Car., Ste l or Wo d Track.....$6.00
Double Rail Steel Track complete with clamps. ₩ ft..... 09
Single Rail Steel Track with clamps. ₩ ft..... .09
D. H. Fork, Steel Regular, e'ch .75
Nellis Fork, each.....$1 50
Walker Fork, each.....$1 75
Sprouts Shear Fork, each....$1.40
Double Grapple Fork, each...$3.25
Faultless Steel Frame K. P. Pulley, Fig. 485, ₩ doz.....$2.00
Malleable Frame K. P. Pulleys Figs. 380 and 381 ₩ doz $2.00
Faultless Steel Frame 6 in. Plain Pulley, Fig. 485, ₩ doz.$1.75
Common 6 in. Wood Sheave Pulley, Fig. 4 8, ₩ doz.....$1.65
Steel Frame Pulley with Iron Sheave. Fig. 565, ₩ doz.. $1 50
Reed Wood Frame Pulley with Hook. Fig 484, ₩ doz.. .....$2 25
Floor Pulley, Wood Sheave, Fig. 486, ₩ doz..... .....$2.00
Floor Hooks, ¾ in ₩ doz.. .65
Harging Hooks for Double Steel Track, ₩ doz..... .60
Hanging Hooks for Single Steel Track, ₩ doz..... .60
Hanging Hooks for Wood Track, 10 in. ₩ doz..... .45
Hanging Hooks for Wood Track, 14 in, ₩ doz..... .55
Wrought Rafter Brackets, ₩ doz..... .45
Malleable Rafter Brackets, ₩ doz..... .45
Rope Hitch ₩ doz.....$1.75

Transom Lifters—
Copper Finished.....50%
Bronze Metal.....40%
Nickel Plated.....50%
Crescent.....55%
Lever.....55%
Ajax.....50%
Dicksons.....60%

Traps—
GAME—
Enterprise Mole.....15%
Oneida:
Newhouse.....40&10%
Hawley & Norton.....70&5%
Victor.....70&10&5%
All Steel.....75%
Star.....50&10%
Blake's Patent.....40&10&5%
MOUSE AND RAT—
Mouse, Wood, Choker, ₩ doz hole 80&10%
S.T.....₩ doz $6.00, 20%
Mouse, Round Wire, ₩ doz $1.50, 2½%
Mouse, Cage, Wire, ₩ doz $2.50, 10%
Mouse, Catch-'em-alive ₩ dz $2.50,15%
Mouse, Bonanza.....₩ gr $10.00
Mouse, Ideal..... ₩ gr $9.00
Mouse, Delusion.....33⅓%
Rat Slayer.....₩ gr $9.50
Rat, Keystone.....₩ gr $10.00
Rat, Exterminator.....₩ gr $12.00
Rat, Decoy.....₩ gr $10.00, 15%
Hotchkiss:
Metallic Mouse.....50%
Improved Rat.....40%
New Rat.....40%
Schuyler:
Mouse, ₩ gross $18.00.....50%
Rat, ₩ gross $30.00.....50%
Household.....₩ gr $10.00
Erie Rat.....50%
FLY—
Balloon.....₩ gr. $13.50
Electric Rod.....₩ gr. $16.50
Globe..... ₩ gr. $13.50
Harper..... ₩ gr. $16.50

Trowels—
Reed's Brick and Plastering.....15%
Disston's Brick and Plastering. .25%
Peace's Plastering.....25%
W. & McP. Plastering. 25%
Richardson.....25%
Rose's Brick.....15@20%
Brade's Brick.....30%
Sargent's Garden, No. 1.....70%
Sargent's Garden, No. 15.....50%
Wm Johnson's:
Brick and Plastering..... 40%
Brick No. 100 extra.....30%
Pointing.....40%
Corner.....40%

Vises—
Solid Box.....60&10%
PARALLEL—
Fisher & Norris Double Screw....15%
Armstrong's:
Plain and Hinge.....60%
Combination..... .....50%
Lowell Hand.....33⅓%
Stephens'.....30@10%
Holland's.....40@45%
Parker's.....30@35%
Wilson'.....55%
Alligator.....50%
Howard's.....40%
Bonney's.....40&10%
Millers Falls.....40@40&10%
Trenton.....40&5@40&10%
Merrill's.....15@20%
Sargent's.....50%
Backus and Union.....40%
Prentiss'.....30@25%
Simpson's Adjustable.....40%
Moore's.....20%
Little Giant Bench.....25&10&5%
SAW FILERS—
Bonney's Nos. 2 & 3, $15,00.....40&10%
Stearn's.....40%
Stearn's Silent Saw Vises....20&10%

Wads—
See Ammunition.

Whips—
American Whip Co. quotations:
Toy Whips, all kinds ₩ gross. $2.50 to $12.00
Rattan Drop Tops ₩ doz. 50c to $1.50
Rattan Straight ₩ doz. 80c to 8.00
Rattan Fancy Mounted ₩ doz. $1.50 to $6.00
Stocked Javas ₩ doz.. 3.50 to 8.00
Fancy Mounted " .. 5.00 to 12.00
Solid Raw Hide Centers ₩ doz. $4.00 to $7.50
"True Grip" Raw Hide ₩ doz. $6.00 to $12.00
Whalebone...₩ doz. 3.00 to 24.00
Team Whips, see List.

Window Cleaners—
Barnes Mfg. Co.....40%
Clayton's..... . 25&10%

Wire and Wire Goods—
Bright Wire Goods, Standard list 90&10%
Market:
Brt. & Ann., Nos. 0 to 18.....72½%
Cop'd, Nos. 0 to 18.....70%
Galv., Nos. 0 to 18.....62½%
Tin'd, Tinned list Nos. 0 to 18.62½%
Tinned Broom Wire.... ....5½c net
Galvanized Fence.....65%
Malin's Annealed and Tinned on Spools.....60&5%
Malin's Brass and Copper on Spools.....50&5%
Annealed Fence, Nos. 8 and 9....75%
Annealed Grape, Nos. 10 to 14....75%
Tate's Spooled Wire:
Annealed and Tinned.....65%
Copper and Brass.....55%
Brass, list Jan. 18, 1884.....30%
Copper, list Jan. 18, 1884.....35%
Barb Fence.....See Trade Report
Cast Steel Wire.....50%
Stub's Steel Wire.....$6.00 to 2 30%
Steel Music Wire, Nos. 12 to 30 55c ₩
Tate's Wire Picture Cord Braided and Twisted.....80&10%
Picture Wire.....New list 80&15%
Wire Clothes Lines, see Lines.

Wire Cloth, Netting, &c.—
Painted Screen Cloth good quality, ₩ 100 sq. ft., $1.45
Galvanized Wire Netting....80&10%
Brass Cloth.....40@55%
Steel Bolting Wire Cloth.....30@55

Wire Rope—
List, May 1, 1886.
Iron.....33⅓&2½%
Iron, Galvanized.....40&2½%
Cast-steel..... ....40&2½%

Wire Rope Clips—
Crosby..... ..... 25%

Wrenches—
Acme:
Bright.....50@10%
Nickel 45%

Heavy.....50%
Alligator.....40&10%
Hercules 70%
American Adjustable.....40%
Armstrong's 40%
Baxter's Adjustable "S".....60%
Baxter's Diagonal.....60%
Coes' Genuine.....50%
Coes' "Mechanics'."....50&10&3%
Girard Standard.....70%
Lamson & Sessions' Engineers'60&10%
Lamson & Sessions' Standard 70&10%
Coes' Pattern Wrought.....80&5%
Eagle Pipe.....50%
Taylor Pipe and Nut.....40%
Stillson Pipe.....45%
Trimo Pipe.....50&10%
Wakefield Pipe and Nut. 40%
Bemis & Call's:
Patent Combination Black.40&10%
Patent Combination Bright.40&5%
Brigg's Pattern.....30&10%
Cylinder Gas Pipe.....45&5%
No. 3 Pipe.....55%
Aiken's Pocket (Bright) $6.00.....60%
Boardman's.....30%
Always Ready.....33⅓@5%
Champion Carriage.....40%
Donohue's Engineer.....35%
Trimo Combination.....40%
Cincinnati Tool Co:
Bit.....35&10%
Standard Brace.....25&10%
J. H. Williams 25%
Lowell Ratchet.....33⅓%
Lowell Socket Bridge.....20%
Lowell Lag Screw.....25%
Yankee.....45%
Expert Bicycle.....33⅓&10%

Wringers, Clothes—
IRON—
Per Dozen
No. 20, Erie, 10 inch.....$24.00
No. 30. Erie, 11 inch..... 27.00
No. 55, King, 11 inch.....33.25
No. 45, King, 10x1¾ inch..... 25.00
No. 65, King, 11x2 inch..... 33.00
No. 2, " " 10 inch..... 15.50
No. 2, Zenith, 10 in h..... 16.50
No 3, Zenith, 11 inch..... 19.00
No. 4, Zenith, 12 inch..... 21.50
WOOD—
No. 40, Prime, 10 inch..... 20.00
No. 50, Prime 11 inch..... 23 00
No. 66, Columbia, 11x1¾ inch.. 27.00
No. 99 Pittsburg, 11x2 inch.... 31.00
No. 33, Nonpareil, 11x1¾ inch.. 28.00
No. 44, Nonpareil, 11x2 inch.... 32.00
Peerless Mfg.Co., List Feb. '92 2% cash
Colby Wringer Co.:
No. 10 Rolls, 10x1¾ inches.... 21.00
No. 11 Rolls, 11x1¾ inches.... 25.00
No. 12 Rolls, 12x1¾ inches.... 29.00

PAINTS, OILS AND COLORS.

Oils—
Linseed, City, Raw, in bbls. ₩ gal. 56c
Linseed. City, Boiled, " ₩ gal. 59c
Out of Town on Spot.....₩ gal. 56c
Calcutta, Raw, in bbls....₩ gal. 56c
Lard.....6¼@6 85

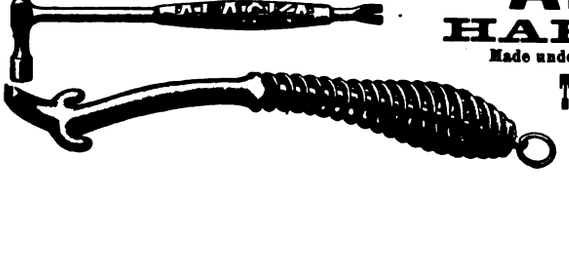
Paints and Colors—
Barytes, Prime White, ₩ ton, $14.00@$17 00
Barytes, Foreign Floated, ₩ ton, $17.00@$18 00
Barytes, Domestic Floated, ₩ ton, $22.00@$23 00
Barytes, Off Color, ₩ ton, $11.00@$13.00
White Lead, American, Dry, ₩ ℔ 5 @5½c
White Lead, American, in Oil, ₩ ℔.....5 @5½c
White Lead, English, in Oil, ₩ ℔ 5½@7 c
Litharge, American Powdered, ₩ ℔..... .....4½@4¾c
Litharge, English Flake, ₩ ℔ 8½@9 c
Litharge, Glassmakers', ₩ ℔ 5½@6 c
Zinc, American, Extra Dry, ₩ ℔ 8¼@11¼c

Putty—
Putty in Bulk.....$1.45@$1.75
Putty in Bladders.....$1.65@$2 00
Putty in Tins .....$2 00@$2.50

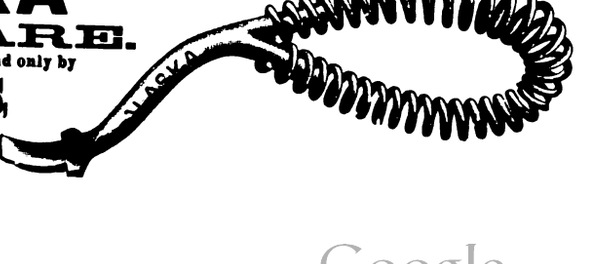
Spirits Turpentine—
Spirits Turpentine, ₩ gal.....33c

Colors in Oil—
Black Coach Japan ₩ ℔..18½@20 c
Black Coach Japan in Oil..... ₩ ℔ 12 @13 c
Black Drop..... ₩ ℔ 7½@10 c
Black Lampblack, prime, ₩ ℔ 27½@33 c
Black Lampblack, medium ..... ₩ ℔ 15 @20 c
Black Lampblack, 2d quality..... ₩ ℔ 13 @19 c
Black, Lampblack, low grade ..... ₩ ℔ 6½@10 c
Blue, Chinese ..... ₩ ℔ 35 @40 c
Blue, Prussian ..... ₩ ℔ 20 @30 c
Blue, Ultramarine.. ₩ ℔ 13 @18 c
Brown, Sienna, burt ₩ ℔ 7 @10 c
Brown, Sienna, raw. ₩ ℔ 7 @10 c
Brown, Umber burt ₩ ℔ 7 @10 c
Brown, Umber, raw. ₩ ℔ 7 @10 c
Brown, Vandyke.... ₩ ℔ 7 @11 c
Green, Chrome..... ₩ ℔ 8 @14 c
Green, Paris.. .... ₩ ℔ 16 @18½c
Red Lead ..... ₩ ℔ 12 @15 c
Red, Venetian..... ₩ ℔ 4½@ 8 c
Yellow, brome..... ₩ ℔ 13 @18 c
Yellow, Ocher, Fre'ch ₩ ℔ 4½ c

BE CAREFUL OF INFRINGERS OF OUR PATENTS.



ALASKA HARDWARE.
Made under the Gaitley patents and only by
TROY NICKEL WORKS,
TROY, N.Y.



DEALING IN THE ALASKA PAYS.

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The Yale & Towne Mfg. Co.,

Manufacturers of BUILDERS' HARDWARE.

GENERAL OFFICES: 280 Broadway, New York.

WAREROOMS:

NEW YORK, 84-86 Chambers St.
CHICAGO, 152-154 Wabash Ave.
PHILADELPHIA, 1120 Market St.
BOSTON, 224 Franklin St.

Works: Stamford, Conn. / Branford, Conn.

BUFFALO, Builders' Exchange.
SAN FRANCISCO, Mills Building.

Hardwaremen's Exchange.

Notices of Help Wanted or Situations Wanted will be inserted in this column free of charge. Should not exceed Four Lines in length. Other notices, twenty-five cents per line.

Help Wanted.

WANTED—A competent salesman of table cutlery; one who can command trade and manage that department. Address R., care HARDWARE, No. 143 Chambers Street, New York.

WANTED—A man thoroughly posted in handling Builders' Hardware, reading specifications, taking quantities from plans, and familiar with its application to the work. Address, giving particulars as to age, experience and salary expected, Bordeaux, care HARDWARE, No. 143 Chambers Street, New York City.

WANTED—An experienced Builders' Hardware salesman. Must be capable of handling the trade through architects, etc. Address, giving age, experience and salary expected, Locks, care HARDWARE, No. 143 Chambers Street, New York City.

EXPERIENCED SALESMAN to travel and sell wire goods and solicit orders on iron work where necessary; state where last employed and salary expected. Address "Wire Goods," care HARDWARE, No. 143 Chambers Street, New York.

Situations Wanted.

TRAVELING salesman, of long experience, acquainted with Hardware trade through Middle and Western States, want side line from manufacturer; mechanics' tools preferred. Address C. D. Ferre, No. 9 Locust Street, Springfield, Mass.

SITUATION wanted by a first-class tinner, an expert at furnace work, roofing, spouting and general jobbing and repairing; also understands bicycle repairing. Young man, single, speaks English and German; industrious, steady and sober References Address H. F. Thompson, No. 135 Lake Street, Chicago, Ill.

WANTED—By a young man with twelve years' experience in the Hardware business, a position either in the house or on the road. Unquestionable references. Address M. G., care HARDWARE, No. 143 Chambers Street, New York.

A SHEET metal salesman with eight years' factory experience, wishes a change of employers, same line, or with manufacturing or jobbing Hardware house. Address "New Jersey," care HARDWARE, No. 143 Chambers Street, New York.

A POSITION as commercial traveler is wanted by young man of great ability, having a fine education. Good references given Address J. N. Patterson, England, Pa.

YOUNG man, twenty-two, desires situation in city or country; rapid penman; accurate, honest, temperate; liking for hard work; can give bond. Address A. E. McLean, Tremont, N. Y. C.

WANTED—By a young man, thirty-five years of age, with fourteen years' experience in the retail Hardware business, position as salesman with a good house. Thoroughly posted in builders' Hardware, and capable of making estimates from architects' specifications. Can furnish unexceptional references. Address Capable, care HARDWARE, No. 143 Chambers Street, New York.

Agencies for Hardware Specialties Wanted.

TO Manufacturers: A well established and pushing firm of manufacturers' selling agents of San Francisco can handle one more line of staples. Concerns wishing their business with the Pacific Coast increased may be assured of thorough and competent representation on a perfectly safe commission basis. References exchanged. Address "Pacific Coast," care HARDWARE, No. 143 Chambers Street, New York.

Side Lines Offered.

WANTED—Experienced Salesman in Western States to sell good staple in Hardware line, representing manufacturer direct. Liberal commission. Address Box 156, Wilkinsburg P. O., Pittsburg, Pa.

EXPERIENCED SALESMEN wanted to sell the retail trade the greatest garden device on the market. Sells to Hardware, Seed and Implement houses. Large commissions to parties with good references. For further information, address Lewis Mfg. Co., Utica, N. Y.

WANTED—Traveling salesmen visiting stove and tinware, Hardware house furnishing or plumbing and gas fitting trade, either retail or jobbing, will learn of something of interest by addressing B. J. W. & Co Lock Box 47, Mercer, Pa.

EXPERIENCED salesmen wanted to sell the best garden tool on the market. Sells to Hardware and implement houses; States, New York, Pennsylvania, New Jersey, Delaware, Maryland, Ohio; also for New England States. Address Lock Box 545, Rock Falls, Ill.

WE want traveling salesmen to carry as side line direct to retail trade, on commission basis, our line of Wire Hangers for garments. Commission liberal. Further particulars by addressing Barber-Koenig Mfg. Co, No 115 North Vine Street, Hazleton, Pa.

Side Line Wanted.

POSITION by a young man to represent barbers' supply or good cutlery house in two or three Southern States. Good references as to character and ability; three years' experience with barbers' supply and cutlery house. Address, stating salary given, to Cutlery, care HARDWARE, No. 143 Chambers Street, New York.

TO MANUFACTURERS: An established pushing manufacturers' selling agent, visiting jobbing and large retail trade, Michigan, Indiana and Ohio, can handle one more line staples, or A I specialty. Reference exchanged with those who desire competent, safe representation. Address A. D. D., care HARDWARE, No. 143 Chambers Street, New York.

Business Opportunity.

WANTED—An active, energetic young man who can command from $5000 to $8000 capital to enter into a co-partnership with an old established company. He will be wanted to take care of the finances of the company, and attend to the office business. This is an unequaled chance, and to the right man will present an opportunity that will be very valuable. Address XX, care HARDWARE, No. 143 Chambers Street, New York City.

For Sale.

A FOUR-HORSE Power Gas Engine, in good running order; now in use by us at our stores. Edward Darby & Sons, 233 Arch Street, Philadelphia, Pa.

Bicycle Agency Wanted.

WANTED for Chicago and vicinity the agency for a good standard bicycle by three live men. For the trade only. Good showroom on prominent thoroughfare. D. Hymes, No. 135 Lake Street, Chicago, Ill.

EXPANSION BOLTS



For Fastening all Kinds of Structure to Brick and Stone Work.

Patentee and Mfr., ISAAC CHURCH,
Send for Catalogue. Toledo, O.

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HARDWARE BUYERS' DIRECTORY.

CLASSIFIED INDEX TO ADVERTISERS.

Agricultural Implements.
S. L. Allen & Co., Philadelphia.
John H. Graham & Co., New York.
Withington & Cooley Mfg. Co., Jackson, Mich.

Aluminum Cooking Utensils.
Griswold Mfg. Co., Erie, Pa.

Annunciators.
Patrick & Carter Co., Philadelphia, Pa.
Wilmot & Hobbs Mfg. Co., Bridgeport, Conn.

Anti-Friction Metal.
Magnolia Metal Co., New York.

Apple Parers.
Reading Hardware Co., Reading, Pa.

Arms and Ammunition.
Bridgeport Gun Implement Co., New York.
Chamberlin Cartridge & Target Co., Cleveland, O.
Forehand Arms Co., Worcester, Mass.
Hartley & Graham, New York.
J. P. Lovell Arms Co., Boston.
Parker Bros., Meriden, Ct.
Remington Arms Co., New York.
Schultze Smokeless Gun Powder Co., London, Eng.
Edw. K. Tryon, Jr., & Co., Philadelphia, Pa.
Union Metallic Cartridge Co., Bridgeport Conn.
United States Cartridge Co., Lowell, Mass.
Von Lengerke & Detmold, New York.
Waterbury Brass Co., New York.

Art Hardware.
Reading Hardware Co., Reading, Pa.

Art Metal Goods.
Bradley & Hubbard Mfg. Co., Meriden, Conn.

Auger Bits.
Bridgeport Gun Implement Co., New York.

Axes.
American Axe & Tool Co., New York.

Babbitt Metal.
Bruce & Cook, New York.

Bells.
Bradley & Hubbard Mfg. Co., Meriden, Conn.
Bridgeport Brass Co., Bridgeport, Conn., and New York.
John H. Graham & Co., New York.

Bells, Electric.
See Electric Bells and Supplies.

Belt Dressing.
Jos. Dixon Crucible Co., Jersey City, N. J.

Belting.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.
See Rubber Belting.

Bench Stops.
Chas. Morrill, New York.

Bicycles and Bicycle Sundries.
American Indicator Co, Lawrence, Mass.
Julius Andre, Milwaukee, Wis.
Bridgeport Gun Implement Co., New York.
Bredder-Allen Cycle Mfg. Co., Paterson, N. J.
Crawford Mfg. Co, New York, Hagerstown, Md.
Cushman & Denison, New York.
Eclipse Bicycle Co., Beaver Falls, Pa.
O. J. Faxon & Co., Boston.
Grand Rapids Cycle Co., Grand Rapids, Mich.
A. W. Gump & Co., Dayton, Ohio.
C. F. Guyon Co., New York.
S. F. Heath Cycle Co., Minneapolis, Minn.
Indiana Bicycle Co, Indianapolis, Ind.
Hunt Mfg. Co, Westboro, Mass.
Wm. M. Justice & Co., Pittsburg, Pa.
Keating Wheel Co., Holyoke, Mass.
C. H. Lamson, Portland, Me.
Liberty Cycle Co., New York.
J. P. Lovell Arms Co., Boston.
Monarch Cycle Co., New York, Chicago.
Mossberg Wrench Co, Attleboro, Mass.
New York Belting & Packing Co., Ltd., New York.
Peerless Mfg. Co., Cleveland, O.
Pope Mfg. Co., Boston.
Premier Cycle Co, New York.
Wm Read & Sons, Boston, Mass.
Remington Arms Co., New York.
Rouse, Hazard & Co, Peoria, Ill.
St. L. R. & W. G. Co., St. Louis, Mo.
Smith & Egge Mfg. Co., Bridgeport, Conn.
Spaulding Machine Screw Co., Buffalo, N. Y.
Supplee Hardware Co., Philadelphia.
Edw. K. Tryon, Jr., & Co., Philadelphia.
Prince Wells, Louisville, Ky.
Yost Mfg. Co., Toledo, Ohio.

Bicycle Step Ladders.
Bicycle Step Ladder Co., Chicago.

Blacksmith's Outfits.
Butterfield & Co., Derby Line, Vt.

Blast Forges.
Miner & Peck Mfg. Co., New Haven, Ct.

Blocks, Tackle.
See Tackle Blocks.

Boiler Compound.
Vegetable Boiler Compound Co., Utica, N. Y.

Bolts.
J. H. Sternburg & Son, Reading, Pa.

Bolt Clippers.
H. K. Porter, Boston, Mass.

Brass & Composition Castings.
C. H. Angus, Albany, N. Y.

Brass, Manufacturers.
Ansonia Brass & Copper Co. New York.
Waterbury Brass Co., New York.

Bright Wire Goods.
Ossawan Mills Co, Norwich, Ct.

Bronze.
Ansonia Brass & Copper Co., New York.

Buffing Wheels
Divine Bros., Chadwicks, N. Y.

Builders' Hardware.
Russell & Erwin Mfg. Co., New York.
Reading Hardware Co., Reading, Pa.
Stanley Works, New Britain, Ct.

Burglar Alarms.
Ferris Mfg. Co., Chicago, Ill.

Butcher Knives, Tools and Steels.
John Chatillon & Sons, New York.

Butts.
Reading Hardware Co, Reading, Pa.

Cake Cutters.
Geuder & Paeschke Co., Milwaukee, Wis.

Casters.
Gwinner Mfg Co., Hamilton, O.

Castings, Iron and Brass.
C. H. Angus, Albany, N. Y.
S. Cheney & Son, Manlius, N. Y.

Cement.
Boston Belting Co., Boston.
New York Belting & Packing Co., Ltd., New York.

Chains.
Surpless, Dunn & Alder, New York

Chalk Line Cases.
H. O. Lothrop & Co., Boston.

China and Glassware.
P. H. Leonard, New York.

Chucks.
Church & Sleight, New York.
Smith & Egge Mfg. Co., Bridgeport, Conn.

Churns.
Buckeye Churn Co., Sidney, Ohio.

Clasps.
Th. M. Hass, New York.

Cleavers.
John Chatillon & Sons, New York.

Clippers, Horse and Barbers'.
Coates Clipper Manufacturing Co. Worcester, Mass.
Gillette Clipping Machine Co., New York.

Clothes Sprinklers.
Berry Sprinkler Co., Boston.

Coal Screens.
Edward Darby & Sons, Philadelphia.
Gilbert & Bennett Mfg. Co., New York and Chicago.

Coat, Hat and Ceiling Hooks.
Van Wagoner & Williams Hardware Co., New York.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Color Grinders.
Edward Smith & Co., New York.

Copper.
Bruce & Cook, New York.

Cordage and Twines.
Ossawan Mills Co., Norwich, Ct.
Samson Cordage Works, Boston.
Tate Mfg. Co., Malden, Mass.

Cork Pullers.
Enterprise Mfg. Co., Philadelphia.

Corkscrews.
C. T. Williamson Wire Novelty Co., Newark, N. J.

Curled Hair.
Baeder, Adamson & Co., N. Y., Phila., Boston and Chicago.

Cutlery.
John Chatillon & Sons, New York.
Christy Knife Co., Fremont, Ohio.
Clauss Shear Co., Fremont, Ohio.
Alfred Field & Co., New York.
Goodell Co, Antrim, N. H.
Hatch Cutlery Co., New York and South Milwaukee, Wis.
R. Heinisch's Sons Co., Newark, N. J.
Lamson & Goodnow Mfg. Co. Shelburne, Mass. and New York.
Elliott W. Langley, New York.
Millbury Razor Co., Millbury, Mass.
Northfield Knife Co, Northfield, Conn.
Northampton Cutlery Co., Northampton, Mass.
Novelty Cutlery Co., Canton, O.
Jos. Rodgers & Sons, Sheffield, England.
Tuck Mfg. Co., Brockton, Mass.
J. Wiss & Sons, Newark, N. J.

Curry Combs.
Gibbs Mfg. Co., Canton, O.

Cutters, Fodder.
Silver Mfg. Co., Salem, Ohio.

Dampers.
Griswold Mfg. Co., Erie, Pa.

Desks.
Empire Desk Co., New York.

Dies.
Th. M. Hass, New York.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Dog Collars and Muzzles.
Tower & Lyon, New York.
Union Hardware Co., Torrington, Conn.

Door Checks and Springs.
John Chatillon & Sons, New York.
P. & F. Corbin, New Britain, Conn.
Russell & Erwin Mfg. Co., New York.

Drills.
Church & Sleight, New York.
Cleveland Twist Drill Co., Cleveland, O.
Garvin Machine Co., N. Y.
Standard Tool Co., Cleveland, O.
Syracuse Twist Drill Co., Syracuse, N. Y.

Drills, Blacksmiths', Etc.
Silver Mfg. Co., Salem, Ohio.

Drop Hammers.
Miner & Peck Mfg. Co., New Haven, Ct.
Waterbury Farrel Foundry & Machine Co., Waterbury, Ct.

Drop Presses.
Miner & Peck Mfg. Co., New Haven, Conn.

Dumb Waiters.
Energy Mfg. Co., Philadelphia
Storm Mfg. Co., Newark, N. J.

Egg Beaters.
F. H. Weeks, Akron, O.

Electric Bells and Supplies.
John H. Graham, New York.
Partrick & Carter Co, Philadelphia, Pa.

Elevators.
Energy Mfg. Co., Philadelphia.
Storm Mfg. Co., Newark, N. J.

Emery Paper.
Church & Sleight, New York.

Emery Wheels.
New York Belting & Packing Co. Ltd., New York.

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Isaac Church, Toledo, O.
Steward & Romaine Mfg. Co. Philadelphia.

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John H. Graham & Co., New York
John Sommer's Son, Newark, N. J

Fibre Ware.
Standard Fiber Ware Co., Mankato, Minn.

Files.
Arcade File Works, Anderson Ind.
Church & Sleight, New York.
Henry Disston & Sons, Philadelphia.
Nicholson File Co., Providence, R. I.
Sickels, Sweet & Lyon, New York.
Troy File Works, Troy, N. Y.
Charles Welland, New York.

Filter, Water.
J. H. Seed, New York.

Fire Place Furniture.
Bradley & Hubbard Mfg. Co. Meriden, Conn.

Flat Ware.
See Plated Ware.

Fodder Cutters.
Silver Mfg. Co., Salem, O.

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Edward Darby & Sons, Philadelphia.
Estey, W. S. New York.
Gilbert & Bennett Mfg. Co., New York and Chicago.

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Reading Hardware Co., Reading Pa.

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Edward Darby & Sons, Philadelphia.

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Ulrich Mfg. Co., Rock Falls, Ill.

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Bradley & Hubbard Mfg. Co. Meriden, Conn.

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Novelty Wire Goods Co., New Haven, Conn.

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T. F. Welch & Co., Boston.

German Silver.
See Plated Ware.

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Baeder, Adamson & Co., N. Y. Phila., Boston and Chicago.

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Jos. Dixon Crucible Co., Jersey City, N. J.

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Cleveland Stone Co., Cleveland, O.

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E. I. Du Pont, de Nemours & Co. Wilmington, Del.
Laflin & Rand Powder Co., New York
Repauno Chemical Co., Wilmington, Del.
Schultze Smokeless Gun Powder Co, London Eng.
Von Lengerke & Detmold, New York.

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Bruce & Cook, New York.
Enterprise Mfg. Co., Philadelphia.
Gibbs Mfg. Co., Canton, O.
Gwinner Mfg Co., Hamilton, O.
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T. F. Welch & Co., Boston.
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F. E. Myers & Bro., Ashland, O.

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Caldwell Mfg. Co.... 6
Capewell Horse Nail Co....96
Chamberlin Cartridge & Target Co.... 4
Champion Safety Lock Co 81
Chatillon (John) & Sons.... ...11
Cheney (S.) & Son.... 1
Christy Knife Co 74
Church, Isaac....90
Church & Sleight....10
Clapp & Co....78
Clauss Shear Co....75
Cleveland Rubber Works.... 4
Cleveland Stone Co.... 8
Cleveland Twist Drill Co....96
Clinton Wire Cloth Co....96
Coates Clipper Mfg. Co.... 70
Coburn Trolley Track Mfg. Co....70
Coes (Loring) & Co....74
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Colby Wringer Co....68
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Dangler Stove & Mfg. Co 70
Darby (Edward) & Sons 6
Darling, Brown & Sharpe.... 1
Deming Co.... 9
Dille & McGuire Mfg. Co....67
Disston (Henry) & Sons....16
Divine Bros.... 2
Dixon (Jos.) Crucible Co....55
Dodd (A. W.) & Co.... 1
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Du Pont (E. I.) de Nemours & Co.. 3
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Eclipse Bicycle Co....60
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National Lead Co....80
National Saw Co....13
National Wringer Co....68
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New York Belting & Packing Co. 5
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Pennsylvania Wire Works.... 6
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